

BRANDS RANKED ACCORDING TO DPM OR TAR DELIVERY

CODE	PROD.CTER.	BRAND NAME	SIZE	BUTT L.MH	SMOKE	YIELD	(MG/CIG)	C O	N O
								(MG/CIG)	
CH SWITZERLAND			T A R		S N				
MAK08	SERRIERES	+MURATTI AMBASSADOR KING SIZE	KS	F 30	8.0	9**	0.67 0.7**	7.5	0.07
PLL02	RICHMOND	+PARLIAMENT	LS	F 33	8.1	9**	0.61 0.7**	8.8	0.17
GAZEC		GAULOISES BLONDES LEGERES	KS	F 29	8.1	8**	0.66 0.7**	8.4	0.12
VIT01	RICHMOND	+VIRGINIA SLIMS LIGHTS	100	F 39	8.3	9**	0.61 0.7**	8.3	0.16
MLX30	SERRIERES	+MARLBORO LIGHTS	KS	F 36	8.3	9**	0.62 0.7**	9.7	0.14
PAGAC		PARISIENNE MILD	KS	F 30	8.3	9**	0.69 0.8**	7.3	0.11
LSMAC		LUCKY STRIKE MILD	KS	F 35	8.4	9**	0.72 0.8**	8.4	0.14
MYAAC		MARYLONG DOUCE	LS	F 29	8.6	9**	0.64 0.8**	7.6	0.10
MPH13	SERRIERES	+MULTI- FILTER 100'S	100	F 33	8.7	9**	0.75 0.8**	10.3	0.10
MHX13	SERRIERES	+MARLBORO LIGHTS 100'S	100	F 36	8.9	10**	0.68 0.8**	9.3	0.14
BRM01	ONNENS	+BRUNETTE DOUCE	LS	F 27	9.2	9**	0.71 0.8**	7.9	0.13
CAHBC		CAMEL MILD	KS	F 29	10.2	9**	0.79 0.9**	10.4	0.11
GJFAC		GAULOISES JAUNE	REG	F 23	10.4	10**	0.66 0.7**	14.4	0.42
MYGAC		MARYLONG	LS	F 29	10.6	12**	0.69 0.9**	10.1	0.13
PLL03	RICHMOND	+PARLIAMENT 100'S	100	F 39	11.1	11**	0.90 0.9**	11.4	0.21
MEK04	SERRIERES	+MERCEDES	* KS	F 29	11.2	11**	0.82 0.8**	12.4	0.09
MCSAC		MAROCAINE SUPER	LS	F 29	11.5	12**	0.75 0.9**	9.9	0.14
PASAC		PARISIENNE SUPER	KS	F 30	11.5	14**	0.86 0.9**	9.8	0.13
RAH05	CARROLL	+RAFFLES 100'S	* 100	F 34	12.0	15**	1.09 1.4**	13.5	0.07
CHF01	ONNENS	+CHAMPION	* LS	F 27	12.1	14**	1.02 1.3**	13.2	0.07
DHVC		DUNHILL INTERNAT.	100	F 33	12.3	12**	1.14 1.1**	10.2	0.05
LAG01	MUNICH	+LARK	KS	F 29	12.6	16**	0.94 1.2**	12.9	0.20
MSK01	SERRIERES	+MS	KS	F 29	12.6	15**	0.99 1.1**	14.6	0.28
CEG14	SERRIERES	+CHESTER- FIELD	KS	F 29	12.7	14**	0.88 1.0**	11.4	0.14
GBACC		GAULOISES BLONDES	KS	F 29	12.9	14**	0.81 0.9**	13.7	0.19
NPF01	SERRIERES	+NORTH POLE MENTHOL	LS	F 27	13.0	13**	0.78 0.9**	11.9	0.14
LSBEC		LUCKY STRIKE	KS	F 29	13.2	15**	1.01 1.1**	12.0	0.20
BRD01	SERRIERES	+BRUNETTE DOUBLE FILTRE	LS	F 27	13.6	14**	0.99 0.9**	12.5	0.20
EVL03	RICHMOND	+EVE 120'S	120	F 39	13.7	15**	0.99 1.1**	11.5	0.22
WIBKC		WINSTON	KS	F 29	13.8	15**	0.99 1.1**	13.1	0.17
DIK04	SERRIERES	+DIANA	KS	F 29	13.9	15**	0.88 1.0**	15.2	0.12
EVR01	RICHMOND	+EVE 100'S	100	F 35	14.1	15**	0.99 1.1**	11.9	0.21
WSUEC		WEST	KS	F 29	14.2	14**	0.92 1.0**	14.0	0.15
REF02	SERRIERES	+REGENT	KS	F 29	14.3	15**	0.91 1.0**	14.6	0.10
CAKBC		CAMEL	KS	F 29	14.3	14**	1.00 1.1**	13.4	0.21
SAR01	RICHMOND	+SARATOGA 120'S	120	F 40	14.3	15**	1.03 1.2**	13.1	0.21
ALF01	SERRIERES	+ARLETTE	LS	F 27	14.4	13**	0.68 0.8**	16.3	0.26
MLK15	SERRIERES	+MARLBORO KING SIZE	KS	F 29	14.5	14**	0.93 1.0**	14.1	0.19
MLH04	SERRIERES	+MARLBORO 100'S	* 100	F 36	14.6	15**	1.01 1.0**	14.9	0.19
LMO01	SERRIERES	+L & M FULL FLAVOR	KS	F 29	14.9	14**	1.09 1.0**	15.0	0.17
BRF02	SERRIERES	+BRUNETTE	LS	F 27	16.2	15**	1.06 1.0**	13.1	0.15
BYDEC		CAMEL 100'S	100	F 33	16.2	15**	1.31 1.1**	13.6	0.18
GBSCC		GAULOISES BLEU NON FILTRE	REG	NF 23	16.3	17**	1.22 1.2**	12.0	0.38
BRP01	ONNENS	+BRUNETTE	LS	NF 23	17.0	17**	1.12 1.1**	9.5	0.12
PMK03	SERRIERES	+PHILIP MORRIS NON FILTER	KS	NF 23	18.5	20**	1.22 1.4**	10.9	0.14
TN TUNISIA			T A R		S N				
LAH02	RICHMOND	+LARK 100'S	100	F 36	13.1		0.95	12.5	0.22
ROQAC		ROYALE EXTRA LONGUE	100	F 33	13.7		1.01	15.9	0.19
MLF54	RICHMOND	+MARLBORO	LS	F 27	14.6		0.95	13.3	0.25
MAQAC		20 MARS INTERNAT.	LS	F 28	15.6		0.91	15.8	0.26

33.470

DATE 09/07/92 TIME 11.25

+ PME Brand () Converted values ** No. printed on pack * Comments PR Product Report

BRANDS RANKED ACCORDING TO DPM OR TAR DELIVERY

CODE	PROD.CTER.	BRAND NAME	SIZE	BUTT L.MM	S M O K E	Y I E L D (MG/CIG)	C O	N O (MG/CIG)
TN TUNISIA			T A R			S N		
ELKAC		EL KHADRA	REG F	23	21.8	1.05	18.1	0.36
MBGAC		20 MARS	KS F	23	23.4	1.42	16.3	0.36
BOEAC		BOUSSETTA	REG NF	23	23.5	1.13	13.5	0.25
CRTAC		CRISTAL	KS F	23	26.7	1.49	21.1	0.30
GB UNITED KINGDOM			T A R			S N		
MLX31	MUNICH	+MARLBORO LIGHTS	KS F	35	5.4 6.0**	0.45 0.50**	6.1	0.07
MLX32	IXELLES	+MARLBORO LIGHTS	KS F	35	5.9 6.0**	0.50 0.50**	6.1	0.08
MHX15	MUNICH	+MARLBORO LIGHTS 100'S	100 F	35	6.5 7.0**	0.53 0.60**		
RAH05	ROTHMANS D	+RAFFLES 100'S	100 F	34	12.7 13.0**	1.17 1.10**	14.7	0.08
MHC04	MUNICH	+MARLBORO 100'S	100 F	33	13.2 13.0**	0.96 0.90**		
MLB25	IXELLES	+MARLBORO KING SIZE	KS F	29	14.2 13.0**	0.93 0.90**	13.6	0.19
YU YUGOSLAVIA			T A R			S N		
CEG15	SERRIERES	+CHESTER- FIELD	KS F	29	15.0	0.97	13.6	0.16
BSK01	SARAJEVO	+BOND STREET	KS F	28	15.8	0.95	17.7	0.10
MLK05	SARAJEVO	+MARLBORO KING SIZE	KS F	28	16.0	1.07	16.0	0.24

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SPECIAL FEATURES

1. Removal of expanded tobacco containing traces of Freon

The removal of expanded tobacco was not observed in any brands during this period.

Please, refer to the complete list of brands in this section.

2. Change in printed numbers for PM and competitors' brands

A change in printed numbers was observed on 17 PM brands and 22 competitors' brands.

Please, refer to the complete list of brands in this section.

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BRANDS NO LONGER CONTAINING EXPANDED TOBACCO

Brand	Manufacturer/ Country of sale	ET [%]	Since	Density [mg/mL]	Tob. Wgt [mg/cig.]	Firmness at 12.5% OV [mm]	Cigarette Diameter [mm]
Camel KS	Reynolds/DB	0 (7)	02.90	238 (234)	744 (739)	3.01 (2.79) F	7.95 (7.99) D
Peter Stuyvesant KS	Turmac/FR	0 (8)	02.90	240 (242)	738 (724) T	3.03 (2.82) F	7.96 (7.93)
Rothmans KS	Turmac/FR	0 (8)	04.90	251 (242)	763 (736) T	2.72 (2.84)	7.91 (7.90)
Camel 100	Reynolds/DB	0 (10)	06.90	234 (229)	867 (849) T	2.89 (3.03)	7.94 (7.93)
Camel Lights	Reynolds/DB	0 (16)	07.90	231 (229)	722 (719)	3.05 (2.62) F	7.96 (7.97)
Belga	Vander Elst/BE	0 (2)	07.90	261 (264)	860 (866)	2.99 (2.48) F	8.44 (8.42)
Dunhill Int.	Sullana/CH	0 (4)	11.90	249 (251)	862 (862)	2.82 (2.84)	8.00 (7.96)
Camel KS	Reynolds/IT	0 (14)	11.90	240 (231)	745 (727) T	2.74 (2.55) F	7.91 (7.97) D
Camel KS	Gosset (RJR)/BE	0 (11)	12.90	231 (231)	726 (730)	3.05 (2.82) F	7.96 (8.00) D
Camel 100	Reynolds/GR	0 (12)	12.90	227 (234)	822 (868) C	2.75 (2.84)	7.89 (7.95) D
Camel Lights	Reynolds/GR	0 (16)	12.90	233 (226)	729 (714)	3.13 (2.64) F	7.95 (7.99) D
Vantage	Karelias/GR	0 (21)	12.90	226 (218)	706 (687) T	2.94 (2.48) F	7.94 (7.99) D
Tivoli Very Mild KS	Laurens/NL	0 (2)	12.90	253 (246)	778 (755) T	2.88 (2.96)	7.95 (7.94)
Camel 100	Reynolds/CH	0 (12)	01.91	233 (226)	855 (838) T	3.23 (3.09)	7.90 (7.94) D
Winston KS	Reynolds/CH	0 (12)	01.91	239 (235)	749 (732) T/C	3.13 (2.83) F	7.96 (7.93)
Camel KS	Reynolds/NL	0 (11)	01.91	244 (241)	764 (759)	2.85 (2.64)	7.96 (7.98) D
Camel Mild KS	Reynolds/FR	0 (14)	01.91	235 (229)	734 (717) T	2.95 (2.68) F	7.94 (7.97) D
Camel KS	Reynolds/FR	0 (10)	01.91	246 (240)	770 (756) T	2.79 (2.84)	7.96 (7.98) D
Rothmans KS	Turmac/IT	0 (5)	02.91	243 (238)	744 (732)	2.70 (2.72)	7.93 (7.95) D
Camel Extra Mild	Reynolds/FR	0 (15)	02.91	230 (229)	720 (721)	3.08 (2.61) F	7.95 (7.98) D
Camel Mild KS	Reynolds/NL	0 (11)	02.91	234 (239)	728 (754)	2.88 (2.78)	7.93 (7.98) D
Caballero KS	Laurens/NL	0 (2)	02.91	250 (251)	757 (770)	3.04 (2.81) F	7.89 (7.94) D

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BRANDS NO LONGER CONTAINING EXPANDED TOBACCO

Brand	Manufacturer/ Country of sale	ET [%]	Since	Density [mg/ml]	Tob. Wgt [mg/cig.]	Firmness at 12.5% OV [mm]	Cigarette Diameter [mm]
Camel Lights KS	Reynolds/IT	0 (12)	03.91	234 (226)	728 (709) T	3.31 (2.95) F	7.94 (7.97) D
Camel Lights 100	Reynolds/IT	0 (13)	03.91	237 (232)	865 (851)	2.97 (2.74)	7.92 (7.92)
Winston KS	Gosset/BE	0 (10)	03.91	237 (238)	744 (748)	3.15 (2.66) F	7.97 (7.98)
Camel KS	Reynolds/CH	0 (11)	04.91	241 (235)	747 (734)	2.89 (2.98)	7.92 (7.95) D
Peter Stuy. L.L	Turmac/FR	0 (4)	04.91	246 (242)	837 (826)	2.78 (2.59)	7.92 (7.94) D
Peter Stuyvesant	Turmac/NL	0 (3)	05.91	240 (239)	741 (733)	2.96 (2.90)	7.96 (7.93)
Winston	Reynolds/NL	0 (10)	05.91	244 (241)	760 (758)	2.84 (2.57) F	7.93 (7.98) D
Camel Mild	Reynolds/CH	0 (16)	05.91	229 (216)	723 (689) T	3.05 (2.87) F	7.98 (8.02) D
Winston Lights KS	Reynolds/FR	0 (17)	06.91	235 (229)	731 (719)	2.98 (2.68) F	7.93 (7.97) D
Winston KS	Reynolds/FR	0 (10)	06.91	251 (236)	777 (746) T	3.08 (2.59) F	7.91 (8.00) D
Camel 100	Reynolds/IT	0 (8)	07.91	244 (237)	912 (875) T	2.79 (2.84)	7.96 (7.95)
Gold Cost Lights	Reynolds/SI	0 (12)	08.91	221 (223)	632 (651)	2.89 (2.67) F	7.93 (7.98) D
Camel Extra Lights	Reynolds/IT	0 (13)	09.91	231 (226)	725 (715)	3.00 (2.63) F	7.97 (7.99) D
Dunhill Sup.M.Int.	Turmac/FR	0 (4)	09.91	241 (237)	830 (825)	3.14 (3.12)	7.97 (8.01) D
Winston KS	Reynolds/EG	0 (13)	10.91	232 (234)	742 (748)	2.86 (2.55) F	7.97 (7.97)
Peter Stuyves. KS	Jubile/BE	0 (3)	10.91	261 (249)	801 (769)T	2.58 (3.11)	7.94 (7.96) D
Camel Lights LS	Rettig Strengb/SF	0 (22)	11.91	218 (217)	654 (648)	3.15 (2.59) F	7.98 (7.96)

N.A. : not analysed

ET : Expanded Tobacco

C : change in cigarette construction

D : decrease in cigarette diameter

F : increase in Firmness values

T : increase in tobacco weight

() : previous average

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CHANGE IN PRINTED NUMBERS

The printed numbers of the following brands were changed:

PM BRANDS

Country of sale	Brand	Old printed numbers				New printed numbers			
		DPM	TAR	SN	CO	DPM	TAR	SN	CO
Belgium	North Pole Menthol	15.9		0.89		14		0.9	
	Visa Rouge	14.5		1.05		14		1.0	
	Visa Verte	14.5		0.95		14		0.9	
France	Battistoni	14.4		0.95		14		1.0	
	Chesterfield KS	14.9		1.14		14		1.0	
	Philip Morris Super L.	3.9		0.40		4		0.3	
Greece	Marlboro Lights	9.0		0.70		9		0.6	
Netherlands	Chesterfield	15		0.9		15		1.1	
Italy	Muratti Amb. E. M. (Bergen)	8.5		0.7		6		0.5	
	Muratti Amb. U. M. (Bergen)	4.5		0.4		3		0.3	
Nigeria	Green Spot Menthol					15		1.0	
	Link LS					15		1.0	
	Link Non Filter					21		1.5	
	Target					15		1.0	
Switzerland	Brunette LS NF	19		1.2		17		1.1	
	Mercedes	16		1.1		11		0.8	
	Marlboro KS	15		1.1		14		1.0	

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COMPETITORS' BRANDS

Country of sale	Brand	Old printed numbers				New printed numbers			
		DPM	TAR	SN	CO	DPM	TAR	SN	CO
Belgium	Belga Extra Legere	8.7		0.80		8		0.8	
	Belga Ultra Legere	2.9		0.30		3		0.2	
	Boule d'Or Legere	12.8		1.10		12		1.0	
	Camel KS	15.5		1.08		14		1.0	
	Kent KS	13.9		1.09		13		1.0	
	Richmond	14.9		1.20		15		1.2	
	Winston KS	15.2		1.05		14		1.0	
Germany	Golden American	15.0		1.0		14		1.0	
Italy	Cartier Luxury Mild					11		0.9	
	Camel Non Filter					16		1.2	
	Camel Extra Lights	5.0		0.50		4		0.4	
	Capri Menthol					8		0.8	
	Kim Ultra Slim					7		0.7	
	Kim Leggera	9.0		0.60		8		0.6	
	Lido Blu Extra Mild					10		0.7	
	Lucky Strike Lights	9.0		0.70		6		0.6	
	MS International					10		1.0	
	MS Lights	4.8		0.40		4		0.35	
	Now	1.4		0.2		1		0.1	
Switzerland	R6 Ultra	3.0		0.3		2		0.2	
	Gauloises Bleu Non Filtre	19.0		1.20		17		1.2	
	Gauloises Jaunes	12.0		0.80		10		0.7	

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BRAND MODIFICATIONS

THE PURPOSE OF THIS SECTION IS TO MAKE YOU AWARE OF THE MAIN MODIFICATIONS DETECTED ON PM AND COMPETITORS' BRANDS. THE FIRST PART GIVES COMMENTS ON THE MODIFICATIONS WHILE THE SECOND PART IS FORMED OF TABLES IN WHICH AN ASTERISK INDICATES THOSE PARAMETERS WHERE A CHANGE WAS FOUND. PLEASE NOTE THAT ALL THE SMOKE DELIVERY RESULTS REPORTED WERE DETERMINED ACCORDING TO THE NEW ISO STANDARDS.

COMMENTS ON BRAND MODIFICATIONS DETECTED DURING THE PERIOD 4-5/1992

B E L G I U M

ARMADA KS /F (ARK04)

THE FILTER LENGTH WAS INCREASED AS PLANNED (2 MM) CAUSING AN INCREASE IN BUTT LENGTH (2 MM). THE VENTILATION WAS REDUCED. THIS RESULTED IN AN INCREASE IN TAR VALUE.

VALUES FOUND : TAR/SN = 13.8/0.92
PRINTED VALUES : TAR/SN = 14 /0.9

BELGA EXTRA LEGERE REG/F (BGEAC)

A SLIGHT INCREASE IN VENTILATION WAS OBSERVED AS WELL AS A DECREASE IN TOTAL ALKALOID CONTENT OF TOBACCO. THIS RESULTED IN A DECREASE IN SMOKE DELIVERIES. THE TAR PRINTED VALUE WAS REDUCED FROM 8.7 TO 8 MG.

VALUES FOUND : TAR/SN = 7.4/0.55
PRINTED VALUES : TAR/SN = 8 /0.8

WINSTON KS /F (WIBOC)

THE TIPPING PAPER, MICRO-LASER PERFORATED ON THE MAKER, WAS REPLACED BY AN ELECTRICALLY PERFORATED TIPPING. THE VENTILATION REMAINED PRACTICALLY CONSTANT AS WELL AS THE TAR VALUE. A DECREASE IN CO AND NO VALUES WAS OBSERVED.

VALUES FOUND : TAR/SN = 13.2/1.02
PRINTED VALUES : TAR/SN = 14 /1.0 (PREVIOUSLY 15.2/1.05).

C Z E C H O S L O V A K I A

CLEA KS /F (CCLAC)

RECENT ANALYTICAL RESULTS FOR THIS BRAND PRODUCED BY CSTP.

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C Z E C H O S L O V A K I A

MARS M 20 REG/F (MMAAC)

RECENT ANALYTICAL RESULTS FOR THIS BRAND PRODUCED BY CSTP.

MILDE SORTE KS /F (MSDFC)

RECENT ANALYTICAL RESULTS FOR THIS BRAND PRODUCED BY CSTP.

F I N L A N D

L & M KS /F (LMK19)

THE BLEND WAS MODIFIED. THIS RESULTED IN AN INCREASE IN DPM VALUE.

VALUES FOUND : DPM/SN/CO = 14.1/0.88/11.1
PRINTED VALUES : DPM/SN/CO = 14 /0.9 /12

G R E E C E

MARLBORO KING SIZE KS /F (MLK02)

THE VENTILATION WAS REDUCED AS PLANNED. THE TAR VALUE REMAINED PRACTICALLY CONSTANT.

VALUES FOUND : TAR/SN = 14.5/0.95
PRINTED VALUES : TAR/SN = 14 /1.0

H U N G A R Y

MULTI- FILTER 100'S 100/F (MPH19)

NEW BRAND PRODUCED BY PM EGRI.

I T A L Y

CARTIER LUXURY MILD 100/F (CAIAC)

A DECREASE IN VENTILATION WAS OBSERVED FROM 34 TO 18 %.

VALUES FOUND : TAR/SN = 10.8/0.94
PRINTED VALUES : TAR/SN = 11 /0.9 (NEW INTRODUCTION).

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I T A L Y

KIM ULTRA SLIM 100/F (KIDAC)

THE TIPPING PAPER, MICRO-LASER PERFORATED BY THE SUPPLIER, WAS REPLACED BY A TIPPING MICRO-LASER PERFORATED ON THE MAKER DURING ACTUAL PRODUCTION. THE VENTILATION WAS INCREASED CAUSING A DECREASE IN SMOKE DELIVERIES.

VALUES FOUND : TAR/SN = 6.6/0.65
PRINTED VALUES : TAR/SN = 7 /0.7 (NEW INTRODUCTION).

LUCKY STRIKE LIGHTS KS /F (LSAAC)

THE TIPPING PAPER LENGTH WAS INCREASED BY 7 MM CAUSING AN INCREASE IN BUTT LENGTH (6 MM). AN INCREASE IN FILTER WEIGHT AND FILTER RTD WAS ALSO OBSERVED AS WELL AS A DECREASE IN VENTILATION. THE TAR AND SMOKE NICOTINE VALUES DECREASED.

VALUES FOUND : TAR/SN = 5.7/0.49
PRINTED VALUES : TAR/SN = 6 /0.6 (PREVIOUSLY 9/0.7).

MARLBORO KING SIZE KS /F (MLK01)

FIRST PRODUCTION BY MTI MODENA.

VALUES FOUND : TAR/SN = 14.2/0.89
PRINTED VALUES : TAR/SN = 14 /1.0

MERCEDES KS /F (MEK03)

THE CIGARETTE WAS MODIFIED TO REDUCE THE SMOKE DELIVERIES (FIRENZE PRODUCTION). THE PRODUCTION WILL SOON BE TRANSFERRED TO ROVERETO.

VALUES FOUND : TAR/SN = 10.4/0.75
PRINTED VALUES : TAR/SN = 11 /0.8

MS MILD KS /F (MSPAC)

THE VENTILATION WAS REDUCED AND THE CIGARETTE DIAMETER WAS INCREASED. THE TAR AND THE SMOKE NICOTINE VALUES NOW CORRESPOND TO THE PRINTED NUMBERS. IT SHOULD BE NOTED THAT A LARGE VARIATION OF VENTILATION WAS OBSERVED FROM ONE MONTH TO THE OTHER.

VALUES FOUND : TAR/SN = 8.6/0.77
PRINTED VALUES : TAR/SN = 9 /0.8

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I T A L Y

MULTI- FILTER ULTRA LTS 100/F (MPD04)

NEW BRAND PRODUCED BY PM MUNICH.

VALUES FOUND : TAR/SN = 4.1/0.36
PRINTED VALUES : TAR/SN = 4 /0.4

PHILIP MORRIS SUP.LIGHTS 100/F (PMQ01)

NEW BRAND PRODUCED BY PM MUNICH.

VALUES FOUND : TAR/SN = 4.4/0.45
PRINTED VALUES : TAR/SN = 4 /0.4

ROTHMANS LEGGERA 100/F (RTZAC)

AN INCREASE IN FILTER RTD WAS OBSERVED AS WELL AS A DECREASE IN TOTAL ALKALOID CONTENT OF TOBACCO. THIS RESULTED IN A DECREASE IN SMOKE DELIVERIES.

VALUES FOUND : TAR/SN = 6.9/0.60
PRINTED VALUES : TAR/SN = 7 /0.7

L E B A N O N

VICEROY KING SIZE KS /F (VCYDC)

THE TIPPING PAPER, MICRO-LASER PERFORATED ON THE MAKER, (ONE PERFORATION LINE) WAS REPLACED BY A MICRO-SPRAY LASER PERFORATED TIPPING WITH THREE PERFORATION LINES. THE VENTILATION REMAINED CONSTANT AS WELL AS THE SMOKE DELIVERIES.

M A L T A

MURATTI AMBASSADOR KING SIZE KS /F (MAK05)

THE VENTILATION WAS INCREASED IN ORDER TO REDUCE THE SMOKE DELIVERIES (SERRIERES PRODUCTION). THIS CIGARETTE IS ALSO SOLD IN HUNGARY.

M O R O C C O

CASA SPORTS NON FILTRE REG/NF(CBEAC)

RECENT ANALYTICAL RESULTS FOR THIS BRAND.

2500077787

N E T H E R L A N D S

RAFFLES 100'S 100/F (RAH05)

FIRST PRODUCTION UNDER LICENCE BY CARROLL IN IRELAND. THIS CIGARETTE IS SOLD IN IRELAND (EI), THE NETHERLANDS (NL), ITALY (IT), AND SWITZERLAND (CH).

VALUES FOUND : TAR/SN = 12.0/1.09
PRINTED VALUES : TAR/SN = 13 /1.0 FOR EI, NL AND IT
15 /1.4 FOR CH

N I G E R I A

LINK LS /F (LIP01)

RECENT ANALYTICAL RESULTS FOR THIS BRAND.

VALUES FOUND : TAR/SN = 11.0/0.75
PRINTED VALUES : TAR/SN = 15 /1.0

LINK NON FILTER LS /NF(LIP01)

RECENT ANALYTICAL RESULTS FOR THIS BRAND.

VALUES FOUND : TAR/SN = 14.6/0.88
PRINTED VALUES : TAR/SN = 21 /1.5

N O R W A Y

CAMEL KS /F (CARNC)

AN INCREASE IN VENTILATION WAS OBSERVED AS WELL AS A DECREASE IN TOBACCO WEIGHT. THIS RESULTED IN A DECREASE IN SMOKE DELIVERIES.

VALUES FOUND : TAR/SN/CO = 15.4/1.08/13.9
PRINTED VALUES : TAR/SN/CO = 16 /1.3 /15

PRINCE EXTRA MILD KS /F (PCOAC)

THE ELECTRICALLY-PERFORATED TIPPING PAPER WAS REPLACED BY A TIPPING WITH MICRO-SPRAY LASER PERFORATION. THE VENTILATION INCREASED SLIGHTLY. AN INCREASE IN CIGARETTE DIAMETER WAS ALSO OBSERVED. THE SMOKE DELIVERIES DECREASED.

VALUES FOUND : TAR/SN/CO = 10.2/0.91/10.9
PRINTED VALUES : TAR/SN/CO = 10 /1.0 /10

2500077788

N O R W A Y

PRINCE KS /F (PCBAC)

THE ELECTRICALLY-PERFORATED TIPPING PAPER WAS REPLACED BY A TIPPING WITH MICRO-
SPRAY LASER PERFORATION. THE VENTILATION REMAINED CONSTANT WHEREAS A DECREASE
IN SMOKE DELIVERIES WAS OBSERVED.

VALUES FOUND : TAR/SN/CO = 17.3/1.37/16.3
PRINTED VALUES : TAR/SN/CO = 18 /1.5 /18

PRINCE MILD KS /F (PCMAC)

THE ELECTRICALLY-PERFORATED TIPPING PAPER WAS REPLACED BY A TIPPING WITH MICRO-
SPRAY LASER PERFORATION. THE VENTILATION REMAINED PRACTICALLY CONSTANT WHEREAS
A DECREASE IN TOBACCO WEIGHT AND CIGARETTE DIAMETER WAS OBSERVED. THE SMOKE
DELIVERIES DECREASED.

VALUES FOUND : TAR/SN/CO = 13.0/1.09/13.4
PRINTED VALUES : TAR/SN/CO = 14 /1.2 /13

P O L A N D

L & M KS /F (LMK21)

NEW BRAND PRODUCED BY FTR SERRIERES.

VALUES FOUND : TAR/SN = 15.7/0.90
PRINTED VALUES : TAR/SN = 16 /1.1

S A U D I A R A B I A

CARLTON 100'S 100/F (CAYAC)

THE FILTER LENGTH WAS INCREASED BY 4 MM CAUSING AN INCREASE IN BUTT LENGTH
OF 1 MM. THE TOBACCO WEIGHT WAS CONSEQUENTLY REDUCED. THE TAR VALUE REMAINED
CONSTANT.

VALUES FOUND : TAR/SN = 0.9/0.11
PRINTED VALUES : TAR/SN = 1 /0.1

LONDON KS /F (LODCC)

THE DECREASE IN SMOKE NICOTINE VALUE WAS RELATED TO A DECREASE IN TOTAL
ALKALOID CONTENT OF TOBACCO.

VALUES FOUND : TAR/SN = 10.0/0.53
PRINTED VALUES : TAR/SN = 12 /0.8

2500077789

S A U D I A R A B I A

SILK CUT ULTRA LOW TAR KS /F (SIFEC)

THE VENTILATION WAS INCREASED CAUSING A SLIGHT DECREASE IN SMOKE DELIVERIES.

VALUES FOUND : TAR/SN = 3.5/0.37
PRINTED VALUES : TAR/SN = 5 /0.5

S P A I N

MARLBORO LS /F (MLF62)

NEW : USE OF AN ELECTRICALLY-PERFORATED TIPPING PAPER ALLOWING 6 % VENTILATION TO BE OBTAINED (TABACALERA PRODUCTION). THIS RESULTED IN A DECREASE IN TAR VALUE.

VALUES FOUND : TAR/SN = 13.6/0.89
PRINTED VALUES : TAR/SN = 16 /1.0

S W I T Z E R L A N D

CHAMPION LS /F (CHF01)

FIRST PRODUCTION WITH THE NEW MODIFIED BLEND (ONNENS PRODUCTION). THE TOBACCO WEIGHT WAS REDUCED FROM 818 TO 724 MG.

VALUES FOUND : TAR/SN = 12.1/1.02
PRINTED VALUES : TAR/SN = 14 /1.3

MARLBORO 100'S 100/F (MLH04)

THE VENTILATION WAS INCREASED AS PLANNED TO REDUCE THE SMOKE DELIVERIES.

VALUES FOUND : TAR/SN = 14.6/1.01/14.9
PRINTED VALUES : TAR/SN = 15 /1.0 FOR SWITZERLAND
PRINTED VALUES : TAR/SN/CO = 16 /1.2 /16 FOR SWEDEN

MERCEDES KS /F (MEK04)

COMPLETE RE-ENGINEERING OF THE CIGARETTE (SERRIERES PRODUCTION). THE TAR/SN PRINTED NUMBERS WERE REDUCED FROM 16/1.1 TO 11/0.8 MG.

VALUES FOUND : TAR/SN = 11.2/0.82

2500077790

PRODUCT REPORTS FOR NEW OR LINE EXTENSION COMPETITORS' BRANDS.

THE LIST OF BRANDS IS FOUND IN THE TABLE OF CONTENTS. FOR THE COMPLETE REPORTS,
PLEASE REFER TO THE GREEN SECTION.

2500077791

CHARACTERISTICS OF THE BRANDS COMMENTED ON

COUNTRY OF SALE		BE	BE		BE	
BRAND NAME		+ARMADA	BELGA EXTRA LEGERE VANDER ELS		WINSTON	
PROD. CENTER OR MANUFACTURER		JUBILE			GOSSET BE	
CIGARETTE CODE		ARK04	BGEAC		WIBOC	
SIZE/NB PER PACK		KS F/25	REG F/25		KS F/20	

S M O K E		NEW ANAL.	PREV. AVER.	NEW ANAL.	PREV. AVER.	NEW ANAL.	PREV. AVER.
TPM TOT.PARTIC.MATTER	MG/CIG	17.0	15.7	8.5	9.7	16.1	16.9
DPM DRY.PARTIC.MATTER	MG/CIG	14.7	13.9	7.9	8.8	14.3	14.6
TAR (=TPM-SN-H2O)	MG/CIG	13.8*	13.0	7.4*	8.2	13.2*	13.6
SN SMOKE NICOTINE	MG/CIG	0.92	0.89	0.55*	0.68	1.02	1.00
RATIO SN/TAR	%	6.6	6.8	7.5	8.3	7.7	7.3
PUFF COUNT	NO./CIG	8.2	8.4	7.4	7.7	8.2	8.2
CO CARBON MONOXIDE	MG/CIG	14.8	13.9	6.4*	7.1	11.2*	13.8
NO NITROGEN MONOXIDE	MG/CIG	0.10	0.09	0.07	0.07	0.17*	0.23
F I L L E R							
ALKALOIDS, TOTAL	%	1.58	1.53	1.70*	1.84	1.89	1.87
REDUCING SUGARS	%	12.6	12.2	11.6	12.2	9.1	9.5
NITRATE NITROGEN	%	0.13	0.11	0.12	0.09	0.21	0.23
AMMONIA NITROGEN	%	0.07	0.08	0.12	0.11	0.15	0.13
TOB. WT. AT 12.5 % OV	MG/CIG	802	827	743	756	776	757
DENSITY AT 12.5 % OV	MG/ML	263	261	250	256	249	242
OV AT EQUILIBRIUM	%	13.1	12.6	12.8	12.6	12.7	12.5
C I G A R E T T E							
CIG. WEIGHT, TOTAL	MG/CIG	1015	1033	979	1000	992	961
CIG. LENGTH, TOTAL	MM	84	84	74	74	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.92/24.8	7.94/24.9	8.45/26.5	8.42/26.4	7.94/24.9	7.95/24.9
CIG. RTD	MM H2O	113	114	92	91	96	103
CIG. VENTILATION	%	6*	13	40*	36	17	16
FIRMNESS AS IS	MM	2.90	3.21	2.58	2.52	3.05	3.14
OVEN VOLATILES AS IS	%	12.3	12.1	12.3	12.2	13.1	13.5
FIRMNESS AT 12.5 % OV	MM	2.97	3.37	2.65	2.64	2.80	2.74
CIG. PAP. VENTIL. SYST.							
F I L T E R							
FILTER TYPE		S	S	S	S	S	S
FM FILTER MATERIAL		CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	22*	20	21	21	21	21
FILTER-LENGTH PLUG 1	MM						
FILTER-LENGTH PLUG 2	MM						
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	158	155	186	195	164	157
FILTER RTD	MM H2O	65	68	74	75	63	66
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	26*	24	25	25	25	25
TIPPING PAPER TYPE	IC	IC	IC	ICWHDL	ICWHDL	IC	IC
TIPPING PERFO. TYPE	EPZ	EPZ	EPZ	MLPS	MLPS	EPZ*	MLPM
TIPPING, PERFO. LINES	NO.			4	4		1

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+ PME Brand () Converted values = PME specifications * Comments

2500077792

CHARACTERISTICS OF THE BRANDS COMMENTED ON

COUNTRY OF SALE		CS	CS	CS
BRAND NAME		CLEA	MARS M 20	MILDE SORTE
PROD. CENTER OR MANUFACTURER		CSTP	CSTP	CSTP
CIGARETTE CODE		CCLAC	MMAAC	MSDFC
SIZE/NB PER PACK		KS F/20	REG F/20	KS F/20
<hr/>				
S M O K E		RECENT RESULT	RECENT RESULT	RECENT RESULT
TPM TOT.PARTIC.MATTER	MG/CIG	26.2	18.1	19.1
DPM DRY.PARTIC.MATTER	MG/CIG	23.3	16.0	16.5
TAR (=TPM-SN-H2O)	MG/CIG	22.3*	15.2*	15.5*
SN SMOKE NICOTINE	MG/CIG	0.99*	0.80*	1.00*
RATIO SN/TAR	%	4.4	5.3	6.4
PUFF COUNT	NO./CIG	11.4*	7.9*	8.4*
CO CARBON MONOXIDE	MG/CIG	20.4	13.0	14.1
NO NITROGEN MONOXIDE	MG/CIG	0.14	0.26	0.15
<hr/>				
F I L L E R				
ALKALOIDS, TOTAL	%	1.02	1.28	1.52
REDUCING SUGARS	%	9.9	7.7	9.7
NITRATE NITROGEN	%	0.10	0.32	0.14
AMMONIA NITROGEN	%	0.09	0.13	0.10
TOB. WT. AT 12.5 % OV	MG/CIG	902	688	754
DENSITY AT 12.5 % OV	MG/ML	267	238	235
OV AT EQUILIBRIUM	%	11.0	11.5	12.4
<hr/>				
C I G A R E T T E				
CIG. WEIGHT, TOTAL	MG/CIG	1124	869	960
CIG. LENGTH, TOTAL	MM	84	70	84
CIG. DIAMETER/CIRCUMFER.	MM	7.90/24.8	7.89/24.7	7.99/25.0
CIG. RTD	MM H2O	132	101	103
CIG. VENTILATION	%			
FIRMNESS AS IS	MM	2.06	2.40	2.51
OVEN VOLATILES AS IS	%	8.2	11.5	10.0
FIRMNESS AT 12.5 % OV	MM	3.78	2.81	3.51
CIG. PAP. VENTIL. SYST.				
<hr/>				
F I L T E R				
FILTER TYPE	S		S	S
FM FILTER MATERIAL	CA		CA	CA
FILTER LENGTH, TOTAL	MM	15	11	20
FILTER-LENGTH PLUG 1	MM			
FILTER-LENGTH PLUG 2	MM			
FILTER-LENGTH PLUG 3	MM			
FA FIL.ADDITIVE TYPE				
FILTER WEIGHT	MG/FIL	186	138	159
FILTER RTD	MM H2O	72	52	54
FILTER EFFICIENCY	%			
TIPPING LENGTH ON CIG.	MM	19	19	24
TIPPING PAPER TYPE	IC		IC	IC
TIPPING PERFO. TYPE				
TIPPING, PERFO. LINES	NO.			

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+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS COMMENTED ON

COUNTRY OF SALE		SF	GR	HU
BRAND NAME		+L & M	+MARLBORO KING SIZE	+MULTI- FILTER 100'S EGER
PROD. CENTER OR MANUFACTURER		ATO HYRYLA	PAP PIREUS	
CIGARETTE CODE		LMK19	MLK02	MPH19
SIZE/NB PER PACK		KS F/20	KS F/20	100 F/20

S M O K E		NEW ANAL.	PREV. AVER.	NEW ANAL.	PREV. AVER.	NEW BRAND
TPM TOT.PARTIC.MATTER	MG/CIG	16.3	15.0	18.0	17.6	14.6
DPM DRY.PARTIC.MATTER	MG/CIG	14.1*	13.3	15.4	15.2	13.5
TAR (=TPM-SN-H20)	MG/CIG	13.2	12.4	14.5*	14.3	12.7*
SN SMOKE NICOTINE	MG/CIG	0.88	0.89	0.95	0.97	0.79*
RATIO SN/TAR	%	6.7	7.2	6.5	6.8	6.3
PUFF COUNT	NO./CIG	8.1	8.2	8.3	8.3	9.3*
CO CARBON MONOXIDE	MG/CIG	11.1	11.6	12.8	13.6	15.0
NO NITROGEN MONOXIDE	MG/CIG	0.15	0.14	0.17	0.18	0.15

F I L L E R						
ALKALOIDS, TOTAL	%	1.81*	1.88	1.77	1.85	1.36
REDUCING SUGARS	%	7.1	8.0	7.8	8.0	9.8
NITRATE NITROGEN	%	0.19	0.20	0.20	0.20	0.17
AMMONIA NITROGEN	%	0.17	0.18	0.24	0.23	0.12
TOB. WT. AT 12.5 % OV	MG/CIG	731	730	759	767	887
DENSITY AT 12.5 % OV	MG/ML	240	239	241	242	243
OV AT EQUILIBRIUM	%	13.2	12.9	13.8	13.1	12.3

C I G A R E T T E						
CIG. WEIGHT, TOTAL	MG/CIG	947	946	975	976	1210
CIG. LENGTH, TOTAL	MM	84	84	84	84	99
CIG. DIAMETER/CIRCUMFER.	MM	7.85/24.6	7.86/24.6	7.91/24.8	7.94/24.9	7.92/24.8
CIG. RTD	MM H2O	104	101	112	106	136
CIG. VENTILATION	%	23	24	14*	19	11
FIRMNESS AS IS	MM	2.54	2.64	2.79	2.61	2.25
OVEN VOLATILES AS IS	%	12.2	11.6	12.4	12.3	10.8
FIRMNESS AT 12.5 % OV	MM	2.67	3.01	2.84	2.72	2.94
CIG. PAP. VENTIL. SYST.						

F I L T E R						
FILTER TYPE	S	S	S	S	D	
FM FILTER MATERIAL	CA	CA	CA	CA	CA	
FILTER LENGTH,TOTAL	MM	21	21	20	20	25
FILTER-LENGTH PLUG 1	MM					12.0
FILTER-LENGTH PLUG 2	MM					13.0
FILTER-LENGTH PLUG 3	MM					
FA FIL.ADDITIVE TYPE					AC	
FILTER WEIGHT	MG/FIL	160	163	153	151	268
FILTER RTD	MM H2O	67	68	62	63	82
FILTER EFFICIENCY	%					
TIPPING LENGTH ON CIG.	MM	25	25	24	24	29
TIPPING PAPER TYPE	IC	IC	IC	IC	IC	WHGRD
TIPPING PERFO. TYPE	EPZ	EPZ	EPZ	EPZ	EPZ	EPZ
TIPPING,PERFO. LINES	NO.					

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+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS COMMENTED ON

COUNTRY OF SALE		IT	IT	IT
BRAND NAME	CARTIER	KIM ULTRA	LUCKY	
	LUXURY	SLIM	STRIKE	
	MILD		LIGHTS	
PROD. CENTER	ROTHMANS	BAT DB	B.A.T.	
OR MANUFACTURER				
CIGARETTE CODE	CAIAC	KIDAC	LSAAC	
SIZE/NB PER PACK	100 F/20	100 F/20	KS F/20	

S M O K E		RECENT RESULT	NEW ANAL.	PREV. AVER.	NEW ANAL.	PREV. AVER.
TPM TOT.PARTIC.MATTER	MG/CIG	12.6	7.8	9.7	6.6	7.8
DPM DRY.PARTIC.MATTER	MG/CIG	11.7	7.3	8.8	6.2	7.2
TAR (=TPM-SN-H2O)	MG/CIG	10.8*	6.6*	8.1	5.7*	6.6
SN SMOKE NICOTINE	MG/CIG	0.94*	0.65*	0.71	0.49*	0.59
RATIO SN/TAR	%	8.7	9.9	8.7	8.6	9.0
PUFF COUNT	NO./CIG	9.0	8.6	8.4	7.1*	8.5
CO CARBON MONOXIDE	MG/CIG	8.9	4.6*	5.2	6.4	4.7
NO NITROGEN MONOXIDE	MG/CIG	0.08	0.07	0.08	0.08	0.06
F I L L E R						
ALKALOIDS, TOTAL	%	1.76	2.02	2.07	1.78	1.80
REDUCING SUGARS	%	12.0	8.3	8.7	8.4	8.2
NITRATE NITROGEN	%	0.14	0.19	0.19	0.22	0.22
AMMONIA NITROGEN	%	0.09	0.27	0.25	0.18	0.12
TOB. WT. AT 12.5 % OV	MG/CIG	818	408	405	750	775
DENSITY AT 12.5 % OV	MG/ML	241	254	253	237	246
OV AT EQUILIBRIUM	%	12.5	12.5	12.2	12.7	12.5
C I G A R E T T E						
CIG. WEIGHT, TOTAL	MG/CIG	1061	557	555	992	969
CIG. LENGTH, TOTAL	MM	94	97	97	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.91/24.8	5.41/16.9	5.40/16.9	8.00/25.1	7.98/25.0
CIG. RTD	MM H2O	109*	109*	136	98*	58
CIG. VENTILATION	%	18*	70*	53	49*	59
FIRMNESS AS IS	MM	3.14	2.16	2.34	3.02	2.85
OVEN VOLATILES AS IS	%	12.3	12.2	12.9	11.9	12.6
FIRMNESS AT 12.5 % OV	MM	3.22	2.28	2.19	3.30	2.83
CIG. PAP. VENTIL. SYST.						
F I L T E R						
FILTER TYPE	S	S	S	S	S	S
FM FILTER MATERIAL	CA	CA	CA	CA	CA	CA
FILTER LENGTH,TOTAL	MM	25	27	27	21	21
FILTER-LENGTH PLUG 1	MM					
FILTER-LENGTH PLUG 2	MM					
FILTER-LENGTH PLUG 3	MM					
FA FIL.ADDITIVE TYPE						
FILTER WEIGHT	MG/FIL	187	110	110	181*	145
FILTER RTD	MM H2O	63	102	102	90*	49
FILTER EFFICIENCY	%					
TIPPING LENGTH ON CIG.	MM	29	32	32	32*	25
TIPPING PAPER TYPE	ICD	ICD	WHD	WHD	ICWHDL	IC
TIPPING PERFO. TYPE	EPZ	EPZ	MLPM	MLPS	MLPS	MLPS
TIPPING,PERFO. LINES	NO.		1	2	4	4

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+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS COMMENTED ON

COUNTRY OF SALE		IT	IT	IT
BRAND NAME		+MARLBORO KING SIZE	+MERCEDES	MS MILD
PROD. CENTER OR MANUFACTURER		MTI MODENA	MTI FIRENZ	MONITAL
CIGARETTE CODE		MLK01	MEK03	MSPAC
SIZE/NB PER PACK		KS F/20	KS F/20	KS F/20

S M O K E		FIRST PRODUCTION	RECENT RESULT	NEW ANAL.	PREV. AVER.
TPM TOT.PARTIC.MATTER	MG/CIG	17.7	12.1	10.0	8.1
DPM DRY.PARTIC.MATTER	MG/CIG	15.1	11.1	9.3	7.4
TAR (=TPM-SN-H2O)	MG/CIG	14.2*	10.4*	8.6*	6.8
SN SMOKE NICOTINE	MG/CIG	0.89*	0.75*	0.77*	0.63
RATIO SN/TAR	%	6.3	7.3	9.0	9.3
PUFF COUNT	NO./CIG	8.5*	7.8*	8.6	9.0
CO CARBON MONOXIDE	MG/CIG	13.9	12.4	7.7	6.4
NO NITROGEN MONOXIDE	MG/CIG	0.19	0.11	0.18	0.12
F I L L E R					
ALKALOIDS, TOTAL	%	1.68	1.70	1.91	1.93
REDUCING SUGARS	%	7.7	9.7	8.2	9.4
NITRATE NITROGEN	%	0.23	0.15	0.36	0.32
AMMONIA NITROGEN	%	0.24	0.09	0.20	0.17
TOB. WT. AT 12.5 % OV	MG/CIG	789	759	751	763
DENSITY AT 12.5 % OV	MG/ML	250	241	233	239
OV AT EQUILIBRIUM	%	13.6	12.4	12.0	12.3
C I G A R E T T E					
CIG. WEIGHT, TOTAL	MG/CIG	1002	1028	955	961
CIG. LENGTH, TOTAL	MM	84	84	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.93/24.9	7.92/24.8	8.02/25.1	7.98/25.0
CIG. RTD	MM H2O	105	125	87*	85
CIG. VENTILATION	%	21	21	45*	52
FIRMNESS AS IS	MM	2.67	2.58	2.95	2.98
OVEN VOLATILES AS IS	%	12.0	10.9	11.5	12.8
FIRMNESS AT 12.5 % OV	MM	2.87	3.23	3.38	2.88
CIG. PAP. VENTIL. SYST.					
F I L T E R					
FILTER TYPE		S	D	S	S
FM FILTER MATERIAL		CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	20	20	20	20
FILTER-LENGTH PLUG 1	MM		13.0		
FILTER-LENGTH PLUG 2	MM		12.0		
FILTER-LENGTH PLUG 3	MM				
FA FIL.ADDITIVE TYPE			PG		
FILTER WEIGHT	MG/FIL	151	217	157	147
FILTER RTD	MM H2O	62	77	73	70
FILTER EFFICIENCY	%				
TIPPING LENGTH ON CIG.	MM	25	25	24	24
TIPPING PAPER TYPE	IC		WHD	ICD	ICD
TIPPING PERFO. TYPE	EPZ		MLPS	MLPS	MLPS
TIPPING, PERFO. LINES	NO.		3	4	4

33.505

DATE 03/07/92 TIME 09.19

+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS COMMENTED ON

COUNTRY OF SALE		IT	IT	IT
BRAND NAME		+MULTI-FILTER	+PHILIP MORRIS	ROTHMANS
PROD. CENTER OR MANUFACTURER		ULTRA LTS MUNICH	SUP.LIGHTS MUNICH	LEGGERA
CIGARETTE CODE		MPD04	PMQ01	TURMAC INT
SIZE/NB PER PACK		100 F/20	100 F/20	RTZAC 100 F/20
<hr/>				
S M O K E		NEW BRAND	NEW BRAND	NEW ANAL. PREV. AVER.
TPM TOT.PARTIC.MATTER	MG/CIG	4.8	5.2	8.2 8.9
DPM DRY.PARTIC.MATTER	MG/CIG	4.4	4.9	7.5 8.1
TAR (=TPM-SN-H2O)	MG/CIG	4.1*	4.4*	6.9* 7.5
SN SMOKE NICOTINE	MG/CIG	0.36*	0.45*	0.60* 0.71
RATIO SN/TAR	%	8.8	10.3	8.6 9.6
PUFF COUNT	NO./CIG	7.2*	8.3*	7.5* 8.1
CO CARBON MONOXIDE	MG/CIG	3.0	3.2	4.9* 5.5
NO NITROGEN MONOXIDE	MG/CIG	0.04	0.03	0.06 0.07
<hr/>				
F I L L E R				
ALKALOIDS, TOTAL	%	1.94	1.96	1.88* 2.12
REDUCING SUGARS	%	5.1	5.1	9.3 9.5
NITRATE NITROGEN	%	0.20	0.16	0.18 0.16
AMMONIA NITROGEN	%	0.15	0.12	0.18 0.14
TOB. WT. AT 12.5 % OV	MG/CIG	354	438	414 416
DENSITY AT 12.5 % OV	MG/ML	221	275	249 252
OV AT EQUILIBRIUM	%	13.8	13.0	11.6 12.0
<hr/>				
C I G A R E T T E				
CIG. WEIGHT, TOTAL	MG/CIG	521	592	560 564
CIG. LENGTH, TOTAL	MM	97	97	99 99
CIG. DIAMETER/CIRCUMFER.	MM	5.38/16.8	5.39/16.9	5.42/17.0 5.41/16.9
CIG. RTD	MM H2O	121	104	165* 155
CIG. VENTILATION	%	70	72	55 57
FIRMNESS AS IS	MM	2.87	2.22	2.26 2.09
OVEN VOLATILES AS IS	%	13.1	12.3	12.0 12.2
FIRMNESS AT 12.5 % OV	MM	2.63	2.30	2.46 2.23
CIG. PAP. VENTIL. SYST.				
<hr/>				
F I L T E R				
FILTER TYPE		D	S	S
FM FILTER MATERIAL		CA	CA	CA
FILTER LENGTH, TOTAL	MM	27	27	27
FILTER-LENGTH PLUG 1	MM	16.0		
FILTER-LENGTH PLUG 2	MM	11.0		
FILTER-LENGTH PLUG 3	MM			
FA FIL.ADDITIVE TYPE				
FILTER WEIGHT	MG/FIL	118	113	110 111
FILTER RTD	MM H2O	129	115	121* 110
FILTER EFFICIENCY	%			
TIPPING LENGTH ON CIG.	MM	32	32	32 32
TIPPING PAPER TYPE	WHL		WHL	WHL
TIPPING PERFO. TYPE	MLPS		MLPS	MLPS
TIPPING,PERFO. LINES	NO.	6	5	4 4

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+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS COMMENTED ON

COUNTRY OF SALE	RL	MA HU	MO
BRAND NAME	VICEROY KING SIZE	+MURATTI AMBASSADOR KING SIZE SERRIERES	CASA SPORTS NON FILTRE REGIE/MARO
PROD. CENTER OR MANUFACTURER	BRWN+WILAM		
CIGARETTE CODE	VCYDC	MAK05	CBEAC
SIZE/NB PER PACK	KS F/20	KS F/20	REG N/20

S M O K E		NEW ANAL.	PREV. AVER.	NEW ANAL.	PREV. AVER.	RECENT RESULT
TPM TOT.PARTIC.MATTER	MG/CIG	20.8	20.3	9.5	14.4	30.4
DPM DRY.PARTIC.MATTER	MG/CIG	17.5	16.8	8.9	13.0	27.0
TAR (=TPM-SN-H2O)	MG/CIG	16.4*	15.8	8.2*	12.0	25.6*
SN SMOKE NICOTINE	MG/CIG	1.06	0.98	0.70*	0.95	1.40*
RATIO SN/TAR	%	6.5	6.2	8.6	7.9	5.5
PUFF COUNT	NO./CIG	8.1	7.8	8.4	8.1	8.8*
CO CARBON MONOXIDE	MG/CIG	14.4	14.5	7.9	13.7	17.4
NO NITROGEN MONOXIDE	MG/CIG	0.26	0.26	0.08	0.12	0.34
F I L L E R						
ALKALOIDS, TOTAL	%	1.77	1.79	1.74	1.70	1.41
REDUCING SUGARS	%	5.9	7.0	11.0	10.5	< 1
NITRATE NITROGEN	%	0.22	0.24	0.14	0.13	0.28
AMMONIA NITROGEN	%	0.22	0.27	0.10	0.09	0.40
TOB. WT. AT 12.5 % OV	MG/CIG	762	749	717	718	921
DENSITY AT 12.5 % OV	MG/ML	246	243	231	229	238
OV AT EQUILIBRIUM	%	12.3	12.4	12.3	12.3	11.3
C I G A R E T T E						
CIG. WEIGHT, TOTAL	MG/CIG	972	962	1009	998	958
CIG. LENGTH, TOTAL	MM	84	84	84	84	70
CIG. DIAMETER/CIRCUMFER.	MM	7.91/24.8	7.90/24.8	7.93/24.9	7.96/24.9	8.40/26.3
CIG. RTD	MM H2O	131	124	102*	116	33
CIG. VENTILATION	%	10	9	44*	19	
FIRMNESS AS IS	MM	2.48	2.54	2.66	3.10	2.47
OVEN VOLATILES AS IS	%	11.6	12.0	11.7	12.1	10.6
FIRMNESS AT 12.5 % OV	MM	2.84	2.73	2.99	3.26	3.23
CIG. PAP. VENTIL. SYST.						
F I L T E R						
FILTER TYPE	S	S	D	D		
FM FILTER MATERIAL	CA	CA	CA	CA		
FILTER LENGTH, TOTAL	MM	21	21	21	21	
FILTER-LENGTH PLUG 1	MM			9.0	8.0	
FILTER-LENGTH PLUG 2	MM			12.0	13.0	
FILTER-LENGTH PLUG 3	MM					
FA FIL.ADDITIVE TYPE			AC	AC		
FILTER WEIGHT	MG/FIL	158	162	245	236	
FILTER RTD	MM H2O	72	68	77	76	
FILTER EFFICIENCY	%					
TIPPING LENGTH ON CIG.	MM	26	26	25	25	
TIPPING PAPER TYPE	IC	IC	WHGRD	WHGRD		
TIPPING PERFO. TYPE	MSLP*	MLPM	MLPS	MLPS		
TIPPING, PERFO. LINES	NO.	3*	1	4	2	

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CHARACTERISTICS OF THE BRANDS COMMENTED ON

COUNTRY OF SALE		NL CH IT EI	WN	WN
BRAND NAME		+RAPPLES 100'S	+LINK	+LINK NON FILTER
PROD. CENTER OR MANUFACTURER		CARROLL	ILORIN	ILORIN
CIGARETTE CODE		RAH05	LIF01	LIP01
SIZE/NB PER PACK		100 F/10	LS F/20	LS N/20
S M O K E		FIRST PRODUCTION	RECENT RESULT	RECENT RESULT
TPM TOT.PARTIC.MATTER	MG/CIG	14.3	13.5	17.2
DPM DRY.PARTIC.MATTER	MG/CIG	13.0	11.8	15.5
TAR (=TPM-SN-H2O)	MG/CIG	12.0*	11.0*	14.6*
SN SMOKE NICOTINE	MG/CIG	1.09*	0.75*	0.88*
RATIO SN/TAR	%	9.2	6.8	6.0
PUFF COUNT	NO./CIG	9.2*	8.2*	6.9*
CO CARBON MONOXIDE	MG/CIG	13.5	9.9	9.2
NO NITROGEN MONOXIDE	MG/CIG	0.07	0.11	0.08
F I L L E R				
ALKALOIDS, TOTAL	%	2.28	1.29	1.28
REDUCING SUGARS	%	12.6	3.1	2.4
NITRATE NITROGEN	%	0.08	0.16	0.16
AMMONIA NITROGEN	%	0.04	0.11	0.13
TOB. WT. AT 12.5 % OV	MG/CIG	869	832	824
DENSITY AT 12.5 % OV	MG/ML	237	276	219
OV AT EQUILIBRIUM	%	12.4	11.7	11.9
C I G A R E T T E				
CIG. WEIGHT, TOTAL	MG/CIG	1124	1009	876
CIG. LENGTH, TOTAL	MM	100	80	80
CIG. DIAMETER/CIRCUMFER.	MM	7.94/24.9	7.87/24.7	7.74/24.3
CIG. RTD	MM H2O	131	128	43
CIG. VENTILATION	%	13		
FIRMNESS AS IS	MM	2.33	2.07	2.87
OVEN VOLATILES AS IS	%	11.4	14.1	13.3
FIRMNESS AT 12.5 % OV	MM	2.80	1.45	2.54
CIG. PAP. VENTIL. SYST.				
F I L T E R				
FILTER TYPE	S		S	
FM FILTER MATERIAL	CA		CA	
FILTER LENGTH, TOTAL	MM	26	18	
FILTER-LENGTH PLUG 1	MM			
FILTER-LENGTH PLUG 2	MM			
FILTER-LENGTH PLUG 3	MM			
FA FIL.ADDITIVE TYPE				
FILTER WEIGHT	MG/FIL	198	135	
FILTER RTD	MM H2O	87	60	
FILTER EFFICIENCY	%			
TIPPING LENGTH ON CIG.	MM	30	23	
TIPPING PAPER TYPE	ICD		IC	
TIPPING PERFO. TYPE	EPZ			
TIPPING,PERFO. LINES	NO.			

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+ PME Brand

() Converted values

= PME specifications

* Comments

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CHARACTERISTICS OF THE BRANDS COMMENTED ON

COUNTRY OF SALE		NO		NO		NO	
BRAND NAME		CAMEL		PRINCE EXTRA MILD TIEDEMANN'S		PRINCE	
PROD. CENTER OR MANUFACTURER		REYNOLD CH		TIEDEMANN'S		TIEDEMANN'S	
CIGARETTE CODE		CAKNC		PCOAC		PCBAC	
SIZE/NB PER PACK		KS F/20		KS F/20		KS F/20	
S M O K E							
		NEW ANAL.	PREV. AVER.	NEW ANAL.	PREV. AVER.	NEW ANAL.	PREV. AVER.
TPM TOT.PARTIC.MATTER	MG/CIG	19.4	21.2	12.3	13.2	21.6	23.0
DPM DRY.PARTIC.MATTER	MG/CIG	16.5	17.9	11.1	11.8	18.7	19.5
TAR (=TPM-SN-H2O)	MG/CIG	15.4*	16.7	10.2*	10.8	17.3*	18.0
SN SMOKE NICOTINE	MG/CIG	1.08*	1.23	0.91*	1.01	1.37*	1.50
RATIO SN/TAR	%	7.0	7.4	8.9	9.3	7.9	8.3
PUFF COUNT	NO./CIG	7.3*	7.7	9.3	9.4	8.7	9.0
CO CARBON MONOXIDE	MG/CIG	13.9	14.3	10.9	10.0	16.3	17.2
NO NITROGEN MONOXIDE	MG/CIG	0.19	0.23	0.14	0.13	0.19	0.18
F I L L E R							
ALKALOIDS, TOTAL	%	1.86	1.91	2.20	2.17	2.20	2.27
REDUCING SUGARS	%	7.9	7.9	6.4	7.0	7.0	7.2
NITRATE NITROGEN	%	0.20	0.22	0.20	0.18	0.20	0.17
AMMONIA NITROGEN	%	0.09	0.10	0.10	0.10	0.10	0.10
TOB. WT. AT 12.5 % OV	MG/CIG	626*	645	791	791	791	796
DENSITY AT 12.5 % OV	MG/ML	202	208	241	248	242	246
OV AT EQUILIBRIUM	%	12.1	12.0	12.9	13.5	12.8	13.5
C I G A R E T T E							
CIG. WEIGHT, TOTAL	MG/CIG	831	849	1023	1029	1006	1017
CIG. LENGTH, TOTAL	MM	84	84	84	84	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.91/24.8	7.91/24.8	8.08/25.3	7.97/25.0	8.06/25.3	8.03/25.2
CIG. RTD	MM H2O	95	95	102	104	97	105
CIG. VENTILATION	%	16*	12	42	39	16	16
FIRMNESS AS IS	MM	2.24	2.56	2.68	2.65	2.62	2.59
OVEN VOLATILES AS IS	%	10.8	12.2	11.7	12.1	10.9	11.7
FIRMNESS AT 12.5 % OV	MM	2.91	2.70	3.01	2.81	3.27	2.93
CIG. PAP. VENTIL. SYST.							
F I L T E R							
FILTER TYPE		S	S	S	S	S	S
FM FILTER MATERIAL		CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	21	21	20	20	20	20
FILTER-LENGTH PLUG 1	MM						
FILTER-LENGTH PLUG 2	MM						
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	157	158	175	177	163	162
FILTER RTD	MM H2O	47	46	87	83	62	63
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	25	25	24	24	24	24
TIPPING PAPER TYPE	IC	IC	IC	IC	IC	IC	IC
TIPPING PERFO. TYPE	EPZ	EPZ	MSLP*	EPZ	MSLP*	EPZ	EPZ
TIPPING, PERFO. LINES	NO.			8*		6*	

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+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS COMMENTED ON

COUNTRY OF SALE	NO	PL	SI
BRAND NAME	PRINCE MILD	+L & M	CARLTON 100'S
PROD. CENTER OR MANUFACTURER	TIEDEMANN'S	SERRIERES	AMERICAN T
CIGARETTE CODE	PCMAC	LMK21	CAYAC
SIZE/NB PER PACK	KS F/20	KS F/20	100 F/20

S M O K E		NEW ANAL.	PREV. AVER.	NEW BRAND	NEW ANAL.	PREV. AVER.
TPM TOT.PARTIC.MATTER	MG/CIG	16.0	16.8	19.6	1.1	0.9
DPM DRY.PARTIC.MATTER	MG/CIG	14.1	14.9	16.6	1.1	0.9
TAR (=TPM-SN-H2O)	MG/CIG	13.0*	13.7	15.7*	0.9*	0.8
SN SMOKE NICOTINE	MG/CIG	1.09*	1.20	0.90*	0.11	0.10
RATIO SN/TAR	%	8.4	8.8	5.7	11.5	12.6
PUFF COUNT	NO./CIG	9.0*	9.4	8.2*	7.5	7.7
CO CARBON MONOXIDE	MG/CIG	13.4	12.4	16.5		
NO NITROGEN MONOXIDE	MG/CIG	0.14	0.17	0.21		
F I L L E R						
ALKALOIDS, TOTAL	%	2.17	2.23	1.63	2.14	2.22
REDUCING SUGARS	%	6.8	6.7	9.2	7.4	7.4
NITRATE NITROGEN	%	0.17	0.20	0.19	0.30	0.30
AMMONIA NITROGEN	%	0.10	0.11	0.24	0.13	0.14
TOB. WT. AT 12.5 % OV	MG/CIG	776	800	790	558*	622
DENSITY AT 12.5 % OV	MG/ML	244	249	255	172	180
OV AT EQUILIBRIUM	%	13.2	13.3	12.9	12.1	11.7
C I G A R E T T E						
CIG. WEIGHT, TOTAL	MG/CIG	1017	1040	1002	863	913
CIG. LENGTH, TOTAL	MM	84	84	84	99	99
CIG. DIAMETER/CIRCUMFER.	MM	7.95/24.9	8.00/25.1	7.92/24.8	7.78/24.4	7.82/24.5
CIG. RTD	MM H2O	109	106	124	80	84
CIG. VENTILATION	%	27	30		82	84
FIRMNESS AS IS	MM	2.43	2.71	2.83	2.70	2.40
OVEN VOLATILES AS IS	%	11.4	12.0	12.3	11.9	12.4
FIRMNESS AT 12.5 % OV	MM	2.86	2.91	2.94	2.93	2.44
CIG. PAP. VENTIL. SYST.						
F I L T E R						
FILTER TYPE	S	S	S	S	S	S
FM FILTER MATERIAL	CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	20	20	21	31*	27
FILTER-LENGTH PLUG 1	MM					
FILTER-LENGTH PLUG 2	MM					
FILTER-LENGTH PLUG 3	MM					
FA FIL.ADDITIVE TYPE						
FILTER WEIGHT	MG/FIL	183	183	160	253*	233
FILTER RTD	MM H2O	79	79	67	129*	119
FILTER EFFICIENCY	%					
TIPPING LENGTH ON CIG.	MM	24	24	25	35	35
TIPPING PAPER TYPE	IC	IC	IC	IC	WHDL	WHDL
TIPPING PERFO. TYPE	MSLP*	EPZ			MLPM	MLPM
TIPPING, PERFO. LINES	NO.	8*			1	1

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+ PME Brand () Converted values = PME specifications * Comments

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CHARACTERISTICS OF THE BRANDS COMMENTED ON

COUNTRY OF SALE		SI	SI	ES
BRAND NAME		LONDON	SILK CUT ULTRA LOW TAR GALLAHER	+MARLBORO
PROD. CENTER OR MANUFACTURER		ST PAUL'S		TABACA LOG
CIGARETTE CODE		LODCC	SIFEC	MLF62
SIZE/NB PER PACK		KS F/20	KS F/20	LS F/20

S M O K E		NEW ANAL.	PREV. AVER.	NEW ANAL.	PREV. AVER.	NEW ANAL.	PREV. AVER.
TPM TOT.PARTIC.MATTER	MG/CIG	11.8	12.1	4.1	4.9	17.5	18.9
DPM DRY.PARTIC.MATTER	MG/CIG	10.5	10.7	3.9	4.6	14.5	15.7
TAR (=TPM-SN-H2O)	MG/CIG	10.0	10.0	3.5*	4.2	13.6*	14.7
SN SMOKE NICOTINE	MG/CIG	0.53*	0.64	0.37*	0.41	0.89	0.92
RATIO SN/TAR	%	5.4	6.4	10.5	9.8	6.5	6.2
PUFF COUNT	NO./CIG	8.7	8.3	8.0	7.7	8.0*	7.6
CO CARBON MONOXIDE	MG/CIG			4.4		14.0	16.3
NO NITROGEN MONOXIDE	MG/CIG			0.03		0.21	0.26
F I L L E R							
ALKALOIDS, TOTAL	%	1.22*	1.40	2.00	1.97	1.67	1.76
REDUCING SUGARS	%	10.1	7.5	11.0	10.3	8.9	8.6
NITRATE NITROGEN	%	0.11	0.13	0.10	0.09	0.23	0.23
AMMONIA NITROGEN	%	0.07	0.07	0.07	0.07	0.24	0.22
TOB. WT. AT 12.5 % OV	MG/CIG	793	803	671	679	736	740
DENSITY AT 12.5 % OV	MG/ML	254	258	233	235	255	255
OV AT EQUILIBRIUM	%	11.1	11.0	11.8	12.0	13.5	12.8
C I G A R E T T E							
CIG. WEIGHT, TOTAL	MG/CIG	1017	1023	904	913	945	948
CIG. LENGTH, TOTAL	MM	84	84	84	84	79	79
CIG. DIAMETER/CIRCUMFER.	MM	7.89/24.7	7.86/24.6	7.89/24.7	7.90/24.8	7.90/24.8	7.93/24.9
CIG. RTD	MM H2O	148	152	97*	112	122	124
CIG. VENTILATION	%			61*	52	6*	
FIRMNESS AS IS	MM	2.11	1.82	2.02	1.88	2.88	2.88
OVEN VOLATILES AS IS	%	11.1	11.5	12.8	12.5	13.0	13.0
FIRMNESS AT 12.5 % OV	MM	2.67	2.23	1.91	1.89	2.69	2.68
CIG. PAP. VENTIL. SYST.							
F I L T E R							
FILTER TYPE	S	S	S	S	S	S	S
FM FILTER MATERIAL	CA	CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	20	20	25	25	20	20
FILTER-LENGTH PLUG 1	MM						
FILTER-LENGTH PLUG 2	MM						
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	182	179	191	191	153	156
FILTER RTD	MM H2O	88	83	96	99	69	68
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	24	24	29	29	24	24
TIPPING PAPER TYPE	ICD	ICD	ICD	ICD	ICD	IC	IC
TIPPING PERFO. TYPE				MPS	MPS	EPZ	
TIPPING,PERFO. LINES	NO.			3	3		

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+ PME Brand () Converted values = PME specifications * Comments

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CHARACTERISTICS OF THE BRANDS COMMENTED ON

	COUNTRY OF SALE	CH	CH SW	CH
BRAND NAME		+CHAMPION	+MARLBORO 100'S	+MERCEDES
PROD. CENTER OR MANUFACTURER		ONNENS	SERRIERES	SERRIERES
CIGARETTE CODE		CHF01	MLH04	MEK04
SIZE/NB PER PACK		LS F/20	100 F/20	KS F/20

S M O K E		FIRST PRODUCTION	NEW ANAL.	PREV. AVER.	FIRST PRODUCTION
TPM TOT.PARTIC.MATTER	MG/CIG	15.8	17.5	19.9	13.3
DPM DRY.PARTIC.MATTER	MG/CIG	13.2	15.6	17.5	12.0
TAR (=TPM-SN-H2O)	MG/CIG	12.1*	14.6*	16.4	11.2*
SN SMOKE NICOTINE	MG/CIG	1.02*	1.01*	1.08	0.82*
RATIO SN/TAR	%	8.4	7.0	6.6	7.3
PUFF COUNT	NO./CIG	7.3*	9.4	9.4	7.9*
CO CARBON MONOXIDE	MG/CIG	13.2	14.9*	16.5	12.4
NO NITROGEN MONOXIDE	MG/CIG	0.07	0.19	0.22	0.09
F I L L E R					
ALKALOIDS, TOTAL	%	1.98*	1.79	1.76	1.62
REDUCING SUGARS	%	13.9	8.5	7.9	10.1
NITRATE NITROGEN	%	0.10	0.20	0.21	0.12
AMMONIA NITROGEN	%	0.04	0.26	0.27	0.08
TOB. WT. AT 12.5 % OV	MG/CIG	724*	834	830	718
DENSITY AT 12.5 % OV	MG/ML	242*	241	241	231
OV AT EQUILIBRIUM	%	12.5	13.4	13.6	12.5
C I G A R E T T E					
CIG. WEIGHT, TOTAL	MG/CIG	930	1110	1107	1002
CIG. LENGTH, TOTAL	MM	80	99	99	84
CIG. DIAMETER/CIRCUMFER.	MM	7.90/24.8	7.88/24.7	7.89/24.7	7.93/24.9
CIG. RTD	MM H2O	132	112*	121	125
CIG. VENTILATION	%		19*	11	20
FIRMNESS AS IS	MM	2.63	3.14	3.09	2.95
OVEN VOLATILES AS IS	%	11.4	12.7	12.7	11.8
FIRMNESS AT 12.5 % OV	MM	3.07	3.09	3.04	3.24
CIG. PAP. VENTIL. SYST.					
F I L T E R					
FILTER TYPE		S	S	S	D
PM FILTER MATERIAL		CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	19	28	28	21
FILTER-LENGTH PLUG 1	MM				8.0
FILTER-LENGTH PLUG 2	MM				13.0
FILTER-LENGTH PLUG 3	MM				
FA FIL.ADDITIVE TYPE					PG
FILTER WEIGHT	MG/FIL	157	211	210	234
FILTER RTD	MM H2O	81	74	74	80
FILTER EFFICIENCY	%				
TIPPING LENGTH ON CIG.	MM	24	32	32	25
TIPPING PAPER TYPE	IC		ICD	ICD	WHD
TIPPING PERFO. TYPE			EPZ	EPZ	MLPS
TIPPING, PERFO. LINES	NO.				3

33.505

DATE 03/07/92 TIME 09.19

+ PME Brand () Converted values = PME specifications * Comments

2500077803

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+CHESTER- FIELD NON FILTER	+MARLBORO	+MARLBORO KING SIZE
AN ANDORRA	PROD. CENTERS OR MANUFACTURER	ANDORRA	ANDORRA	ANDORRA
	CIGARETTE CODE	CER11	MLF63	MLK50
	SIZE/NB PER PACK	REG N/20	LS F/20	KS F/20
	SAMPLING CODE	A 02 2	A 00 4	A 00 4

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	25.5	19.7	20.2
DPM DRY.PARTIC.MATTER	MG/CIG	22.6	16.1	16.8
TAR (=TPM-SN-H2O)	MG/CIG	21.1	15.2	15.8
SN SMOKE NICOTINE	MG/CIG	1.50	0.98	1.04
RATIO SN/TAR	%	7.1	6.4	6.6
PUFF COUNT	NO./CIG	8.0	8.1	8.8
CO CARBON MONOXIDE	MG/CIG	13.2	15.3	15.3
NO NITROGEN MONOXIDE	MG/CIG	0.17	0.22	0.23

F I L L E R

ALKALOIDS, TOTAL	%	2.04	1.75	1.77
REDUCING SUGARS	%	7.1	8.4	8.1
NITRATE NITROGEN	%	0.19	0.20	0.20
AMMONIA NITROGEN	%	0.15	0.26	0.26
TOB. WT. AT 12.5 % OV	MG/CIG	936	772	818
DENSITY AT 12.5 % OV	MG/ML	275	262	263
OV AT EQUILIBRIUM	%	12.3	12.8	12.7

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	986	978	1039
CIG. LENGTH, TOTAL	MM	69	80	84
CIG. DIAMETER/CIRCUMFER.	MM	7.93/24.9	7.93/24.9	7.94/24.9
CIG. RTD	MM H2O	54	126	131
CIG. VENTILATION	%			
FIRMNESS AS IS	MM	2.10	2.63	2.65
OVEN VOLATILES AS IS	%	11.3	11.8	12.1
FIRMNESS AT 12.5 % OV	MM	2.59	2.92	2.81
CIG. PAP. VENTIL. SYST.				

F I L T E R

FILTER TYPE		S	S
FM FILTER MATERIAL		CA	CA
FILTER LENGTH, TOTAL	MM	20	21
FILTER-LENGTH PLUG 1	MM		
FILTER-LENGTH PLUG 2	MM		
FILTER-LENGTH PLUG 3	MM		
FA FIL.ADDITIVE TYPE			
FILTER WEIGHT	MG/FIL	155	165
FILTER RTD	MM H2O	68	72
FILTER EFFICIENCY	%		
TIPPING LENGTH ON CIG.	MM	24	25
TIPPING PAPER TYPE		IC	IC
TIPPING PERFO. TYPE			
TIPPING, PERFO. LINES	NO.		

33.440

DATE 09/07/92 TIME 11.25

AN

+ PME Brand () Converted values = PME specifications * Comments

2500077804

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+CHESTER- FIELD	+CHESTER- FIELD	+CHESTER- FIELD NON FILTER PAARL
ZA A. AFRICA	PROD. CENTERS OR MANUFACTURER	INDUSTRIA	PAARL	
	CIGARETTE CODE	CEB05	CEB05	CER05
	SIZE/NE PER PACK	LS F/20	LS F/20	REG N/20
	SAMPLING CODE	A 00 4	A 00 4	A 00 4

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	20.6	20.7	22.3
DPM DRY.PARTIC.MATTER	MG/CIG	17.6	17.6	20.1
TAR (=TPM-SN-H2O)	MG/CIG	16.4	16.4	18.7
SN SMOKE NICOTINE	MG/CIG	1.19	1.16	1.36
RATIO SN/TAR	%	7.2	7.1	7.3
PUFF COUNT	NO./CIG	8.1	8.3	9.3
CO CARBON MONOXIDE	MG/CIG	14.1	14.1	9.8
NO NITROGEN MONOXIDE	MG/CIG	0.10	0.11	0.09

F I L L E R

ALKALOIDS, TOTAL	%	1.78	1.81	1.81
REDUCING SUGARS	%	11.4	10.9	10.8
NITRATE NITROGEN	%	0.12	0.11	0.12
AMMONIA NITROGEN	%	0.09	0.09	0.10
TOB. WT. AT 12.5 % OV	MG/CIG	803	805	1045
DENSITY AT 12.5 % OV	MG/ML	270	270	288
OV AT EQUILIBRIUM	%	12.9	12.7	12.8

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	1010	1015	1098
CIG. LENGTH, TOTAL	MM	80	80	70
CIG. DIAMETER/CIRCUMFER.	MM	7.97/25.0	7.96/24.9	8.12/25.4
CIG. RTD	MM H2O	102	110	64
CIG. VENTILATION	%			
FIRMNESS AS IS	MM	2.63	2.38	2.00
OVEN VOLATILES AS IS	%	12.6	13.1	13.0
FIRMNESS AT 12.5 % OV	MM	2.61	2.16	1.81
CIG. PAP. VENTIL. SYST.				EP

F I L T E R

FILTER TYPE	S	S	
FM FILTER MATERIAL	CA	CA	
FILTER LENGTH, TOTAL	MM	20	20
FILTER-LENGTH PLUG 1	MM		
FILTER-LENGTH PLUG 2	MM		
FILTER-LENGTH PLUG 3	MM		
FA FIL.ADDITIVE TYPE			
FILTER WEIGHT	MG/FIL	156	160
FILTER RTD	MM H2O	48	51
FILTER EFFICIENCY	%		
TIPPING LENGTH ON CIG.	MM	24	24
TIPPING PAPER TYPE	IC	IC	
TIPPING PERFO. TYPE			
TIPPING, PERFO. LINES	NO.		

33.440

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ZA

+ PME Brand () Converted values = PME specifications * Comments

2500077805

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+CHESTER-FIELD	DAMES	FALK EXTRA MILD	HB	HOBBY	+MARLBORO
AU- AUSTRIA	PROD. CENTERS OR MANUFACTURER	MUNICH	AUSTRIA T.	AUSTRIA T.	AUSTRIA T.	AUSTRIA T.	ATW LINZ
	CIGARETTE CODE	CEG06	DAMAC	FDFAC	HBKBC	HYBAC	MLB22
	SIZE/NB PER PACK	KS F/20	KS F/20	LS F/20	KS F/20	LS F/20	KS F/20
	SAMPLING CODE	A 00 4	B 02 2	B 01 2	B 00 2	B 01 2	A 00 4

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	17.3	11.4	10.4	15.5	13.1	17.0
DPM DRY.PARTIC.MATTER	MG/CIG	14.8	10.5	9.5	13.9	11.9	14.7
TAR (=TPM-SN-H2O)	MG/CIG	13.8	9.8	9.0	13.0	11.2	13.9
SN SMOKE NICOTINE	MG/CIG	0.96	0.65	0.51	0.88	0.73	0.90
RATIO SN/TAR	%	7.0	6.6	5.7	6.7	6.6	6.5
PUFF COUNT	NO./CIG	8.3	7.8	7.3	8.0	7.9	8.0
CO CARBON MONOXIDE	MG/CIG	13.7	9.2	10.5	12.0	12.7	13.4
NO NITROGEN MONOXIDE	MG/CIG	0.16	0.08	0.13	0.10	0.13	0.17

F I L L E R

ALKALOIDS, TOTAL	%	1.86	1.46	1.21	1.63	1.52	1.76
REDUCING SUGARS	%	6.4	12.1	11.4	10.8	10.5	8.5
NITRATE NITROGEN	%	0.17	0.12	0.19	0.16	0.16	0.19
AMMONIA NITROGEN	%	0.18	0.08	0.11	0.08	0.09	0.21
TOB. WT. AT 12.5 % OV	MG/CIG	752	735	705	745	732	729
DENSITY AT 12.5 % OV	MG/ML	244	241	236	247	241	242
OV AT EQUILIBRIUM	%	13.5	12.3	12.2	12.6	12.3	13.4

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	969	953	899	961	925	961
CIG. LENGTH, TOTAL	MM	84	84	80	84	80	84
CIG. DIAMETER/CIRCUMFER.	MM	7.90/24.8	7.97/25.0	7.97/25.0	7.93/24.9	8.03/25.2	7.93/24.9
CIG. RTD	MM H2O	102	96	111	95	107	106
CIG. VENTILATION	%	13	29	23	17	24	13
FIRMNESS AS IS	MM	2.84	2.89	2.22	2.73	2.38	2.96
OVEN VOLATILES AS IS	%	12.7	12.2	11.5	11.4	11.7	12.7
FIRMNESS AT 12.5 % OV	MM	2.76	3.00	2.65	3.18	2.70	2.90
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE	S	S	S	S	S	S
FM FILTER MATERIAL	CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	21	23	20	23	20
FILTER-LENGTH PLUG 1	MM					
FILTER-LENGTH PLUG 2	MM					
FILTER-LENGTH PLUG 3	MM					
FA FIL.ADDITIVE TYPE						
FILTER WEIGHT	MG/FIL	158	174	148	168	147
FILTER RTD	MM H2O	63	67	70	59	70
FILTER EFFICIENCY	%					
TIPPING LENGTH ON CIG.	MM	25	26	24	26	24
TIPPING PAPER TYPE	IC	IC	IC	IC	IC	IC
TIPPING PERFO. TYPE	EPZ	EPZ	EPZ	EPZ	EPZ	EPZ
TIPPING, PERFO. LINES	NO.					

33.440

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AU

+ PME Brand () Converted values = PME specifications * Comments

2500077806

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+MARLBORO LIGHTS	+MARLBORO 100'S	MEMPHIS CLASSIC	MEMPHIS LIGHTS	SMART EXPORT	WINSTON
AU-AUSTRIA	PROD. CENTERS OR MANUFACTURER	ATW LINZ	MUNICH	AUSTRIA T.	AUSTRIA T.	AUSTRIA T.	AUSTRIA T.
	CIGARETTE CODE	MLX08	MHC06	MEUAC	MEPAC	SEXAC	WIBAC
	SIZE/NB PER PACK	KS F/20	100 F/20	KS F/20	KS F/20	LS F/20	KS F/20
	SAMPLING CODE	A 00 4	A 00 4	B 00 2	B 00 2	B 00 2	B 02 2

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	10.0	18.3	13.3	9.1	13.4	18.5
DPM DRY.PARTIC.MATTER	MG/CIG	9.1	16.0	12.1	8.7	11.9	16.1
TAR (=TPM-SN-H2O)	MG/CIG	8.5	15.0	11.4	8.1	11.2	15.2
SN SMOKE NICOTINE	MG/CIG	0.62	1.06	0.70	0.52	0.64	0.90
RATIO SN/TAR	%	7.3	7.1	6.2	6.4	5.7	6.0
PUFF COUNT	NO./CIG	8.2	10.3	8.0	7.5	7.9	7.8
CO CARBON MONOXIDE	MG/CIG	9.5	14.9	10.9	8.0	13.3	15.0
NO NITROGEN MONOXIDE	MG/CIG	0.13	0.21	0.07	0.06	0.13	0.22

F I L L E R

ALKALOIDS, TOTAL	%	1.71	1.81	1.35	1.55	1.31	1.55
REDUCING SUGARS	%	8.6	6.3	12.3	13.0	12.4	8.4
NITRATE NITROGEN	%	0.19	0.23	0.10	0.12	0.18	0.22
AMMONIA NITROGEN	%	0.21	0.26	0.07	0.07	0.09	0.10
TOB. WT. AT 12.5 % OV	MG/CIG	730	886	754	715	747	788
DENSITY AT 12.5 % OV	MG/ML	241	249	248	233	250	257
OV AT EQUILIBRIUM	%	13.3	13.7	12.5	12.6	12.1	11.9

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	971	1151	976	954	941	1000
CIG. LENGTH, TOTAL	MM	84	99	84	84	80	84
CIG. DIAMETER/CIRCUMFER.	MM	7.96/24.9	7.85/24.6	7.97/25.0	8.00/25.1	7.96/24.9	8.00/25.1
CIG. RTD	MM H2O	119	112	112	89	113	110
CIG. VENTILATION	%	35	18	14	39	21	
FIRMNESS AS IS	MM	3.01	2.85	2.44	2.54	1.73	2.00
OVEN VOLATILES AS IS	%	12.2	12.3	11.7	11.9	9.4	11.5
FIRMNESS AT 12.5 % OV	MM	3.14	2.94	2.78	2.80	2.97	2.42
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE		S	S	S	S	S	S
FM FILTER MATERIAL		CA	CA	CA	CA	CA	CA
FILTER LENGTH,TOTAL	MM	23	25	23	23	20	23
FILTER-LENGTH PLUG 1	MM						
FILTER-LENGTH PLUG 2	MM						
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	182	199	176	183	148	170
FILTER RTD	MM H2O	99	72	69	70	69	60
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	29	29	27	29	24	26
TIPPING PAPER TYPE		ICWHDL	ICD	IC	ICWHDL	IC	IC
TIPPING PERFO. TYPE		EPZ	EPZ	EPZ	EPZ	EPZ	
TIPPING,PERFO. LINES	NO.						

33.440

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AU

+ PME Brand () Converted values = PME specifications * Comments

2500077807

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+ARMADA	+ARMADA 100 S GALION	+ARMADA 100 S MENTHOL	BARCLAY	BARCLAY 100'S	BASTOS
BE BELGIUM	PROD. CENTERS OR MANUFACTURER	JUBILE	BERGEN OZ	BERGEN OZ	BAT BENEL.	BAT BENEL.	CINTA
	CIGARETTE CODE	ARK04	ARH02	ARM02	BAXGC	BBACC	BAFAC
	SIZE/NB PER PACK	KS F/25	100 F/20	100 F/20	KS F/20	100 F/20	REG F/25
	SAMPLING CODE	A 00 1	A 01 2	A 01 2	B 00 2	B 00 1	B 02 2
S M O K E							
TPM TOT. PARTIC. MATTER	MG/CIG	17.0	15.7	16.8	6.5	6.1	19.3
DPM DRY. PARTIC. MATTER	MG/CIG	14.7	14.3	15.5	6.1	5.7	16.7
TAR (=TPM-SN-H2O)	MG/CIG	13.8*	13.4	14.6	5.6	5.2	15.3
SN SMOKE NICOTINE	MG/CIG	0.92	0.88	0.92	0.51	0.50	1.36
RATIO SN/TAR	%	6.6	6.6	6.3	9.3	9.7	8.9
PUFF COUNT	NO./CIG	8.2	8.5	9.4	7.7	10.1	8.6
CO CARBON MONOXIDE	MG/CIG	14.8	12.9	14.0	6.2	7.4	14.1
NO NITROGEN MONOXIDE	MG/CIG	0.10	0.11	0.13	0.07	0.09	0.08
F I L L E R							
ALKALOIDS, TOTAL	%	1.58	1.64	1.65	2.62	2.48	1.99
REDUCING SUGARS	%	12.6	9.8	10.2	9.0	8.6	13.5
NITRATE NITROGEN	%	0.13	0.14	0.14	0.15	0.15	0.09
AMMONIA NITROGEN	%	0.07		0.09	0.11	0.11	0.06
TOB. WT. AT 12.5 % OV	MG/CIG	802	818	848	669	837	913
DENSITY AT 12.5 % OV	MG/ML	263	232	240	238	235	269
OV AT EQUILIBRIUM	%	13.1	12.8	12.9	12.6	12.5	12.4
C I G A R E T T E							
CIG. WEIGHT, TOTAL	MG/CIG	1015	1082	1113	977	1161	1098
CIG. LENGTH, TOTAL	MM	84	98	98	84	99	74
CIG. DIAMETER/CIRCUMFER.	MM	7.92/24.8	7.85/24.6	7.86/24.6	7.93/24.9	7.93/24.9	8.43/26.4
CIG. RTD	MM H2O	113	112	110	22	17	106
CIG. VENTILATION	%	6*	19	26	89	92	
FIRMNESS AS IS	MM	2.90			2.47	2.33	2.47
OVEN VOLATILES AS IS	%	12.3			11.6	11.0	12.2
FIRMNESS AT 12.5 % OV	MM	2.97			2.85	2.92	2.61
CIG. PAP. VENTIL. SYST.							
F I L T E R							
FILTER TYPE	S	S	S	FPS	FPS	S	
FM FILTER MATERIAL	CA	CA	CA	CA	CA	CA	
FILTER LENGTH, TOTAL	MM	22*	25	25	27	27	13
FILTER-LENGTH PLUG 1	MM						
FILTER-LENGTH PLUG 2	MM						
FILTER-LENGTH PLUG 3	MM						
PA FIL. ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	158	203	203	259	265	135
FILTER RTD	MM H2O	65	63	63	116	118	59
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	26*	29	29	32	32	17
TIPPING PAPER TYPE	IC	ICD	ICD	WHGRD	ICWHDL	ICWHDL	IC
TIPPING PERFO. TYPE	EPZ	EPZ	EPZ	MPS	MPS		
TIPPING, PERFO. LINES	NO.			3	3		

33.440

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+ PME Brand () Converted values = PME specifications * Comments

2500077808

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	BELGA	BELGA EXTRA LEGERE	BELGA ULTRA LEGERE	BOULE D'OR LEGERE	BOULE D'OR ULTRA LEGERE	CAMEL
BE-BELGIUM	PROD. CENTERS OR MANUFACTURER	VANDER ELS	VANDER ELS	VANDER ELS	ODON WARL.	ODON WARL.	GOSSET BE
	CIGARETTE CODE	BGFAC	BGEAC	BGCAC	BDOAC	BOLAC	CABCC
	SIZE/NB PER PACK	REG F/25	REG F/25	REG F/25	REG F/25	REG F/25	KS F/20
	SAMPLING CODE	B 02 2	B 00 1	A 00 2	B 00 2	B 02 2	B 01 2

S M O K E

TPM TOT. PARTIC. MATTER	MG/CIG	18.2	8.5	2.1	14.9	3.5	16.4
DPM DRY. PARTIC. MATTER	MG/CIG	15.9	7.9	2.0	13.4	3.4	14.4
TAR (=TPM-SN-H2O)	MG/CIG	14.8	7.4*	1.8	12.4	3.1	13.4
SN SMOKE NICOTINE	MG/CIG	1.11	0.55*	0.19	1.00	0.27	0.98
RATIO SN/TAR	%	7.5	7.5	10.4	8.0	8.7	7.3
PUFF COUNT	NO./CIG	8.3	7.4	7.2	8.8	8.8	8.3
CO CARBON MONOXIDE	MG/CIG	11.2	6.4*	1.9	11.3	3.0	12.9
NO NITROGEN MONOXIDE	MG/CIG	0.09	0.07	0.03	0.12	0.06	0.18

F I L L E R

ALKALOIDS, TOTAL	%	1.83	1.70*	1.85	2.01	1.68	1.85
REDUCING SUGARS	%	10.7	11.6	10.9	11.1	10.0	9.4
NITRATE NITROGEN	%	0.10	0.12	0.12	0.16	0.21	0.21
AMMONIA NITROGEN	%	0.11	0.12	0.13	0.09	0.12	0.14
TOB. WT. AT 12.5 % OV	MG/CIG	844	743	673	846	798	774
DENSITY AT 12.5 % OV	MG/ML	256	250	227	258	242	247
OV AT EQUILIBRIUM	%	12.2	12.8	12.4	12.4	12.6	12.9

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	1022	979	888	1023	1001	999
CIG. LENGTH, TOTAL	MM	74	74	74	74	74	84
CIG. DIAMETER/CIRCUMFER.	MM	8.43/26.4	8.45/26.5	8.45/26.5	8.41/26.4	8.44/26.5	7.96/24.9
CIG. RTD	MM H2O	92	92	59	105	83	97
CIG. VENTILATION	%	15	40*	75	27	70	16
FIRMNESS AS IS	MM	2.64	2.58	2.67	2.05	2.10	3.29
OVEN VOLATILES AS IS	%	12.6	12.3	11.9	11.4	11.7	13.6
FIRMNESS AT 12.5 % OV	MM	2.61	2.65	2.91	2.49	2.42	2.89
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE		S	S	S	S	S	S
FM FILTER MATERIAL		CA	CA	CA	CA	CA	CA
FILTER LENGTH,TOTAL	MM	15	21	21	15	15	21
FILTER-LENGTH PLUG 1	MM						
FILTER-LENGTH PLUG 2	MM						
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	130	186	168	130	148	169
FILTER RTD	MM H2O	51	74	64	51	57	65
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	19	25	25	19	23	25
TIPPING PAPER TYPE	IC	IC	ICWHDL	ICWHDL	IC	ICWHDL	IC
TIPPING PERFO. TYPE		EPZ	MLPS	MLPS	MLPS	MLPS	EPZ
TIPPING,PERFO. LINES	NO.		4	7	1	3	

33.440

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+ PME Brand () Converted values = PME specifications * Comments

2500077809

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+CHESTER- FIELD	+CHESTER- FIELD NON FILTER	DUNHILL SUPERIOR MILD	GAULOISES BLONDES	GAULOISES BLEU	KENT KING SIZE
BE BELGIUM	PROD. CENTERS OR MANUFACTURER	MUNICH	LAURENS	VANDER ELS	S.E.I.T.A	CINTA	LANDEWYCK
	CIGARETTE CODE	CEG06	CER07	DHECC	GBAHC	GBFBC	KEKGC
	SIZE/NB PER PACK	KS F/20	REG N/20	KS F/20	KS F/20	REG F/25	KS F/20
	SAMPLING CODE	A 00 4	A 00 2	B 01 2	B 01 2	B 02 2	B 01 2

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	17.3	18.4	10.9	17.6	15.1	14.2
DPM DRY.PARTIC.MATTER	MG/CIG	14.8	16.2	10.0	14.5	13.1	12.6
TAR (=TPM-SN-H2O)	MG/CIG	13.8	15.2	9.2	13.6	12.2	11.8
SN SMOKE NICOTINE	MG/CIG	0.96	0.99	0.78	0.88	0.84	0.85
RATIO SN/TAR	%	7.0	6.5	8.4	6.5	6.9	7.2
PUFF COUNT	NO./CIG	8.3	7.0	8.4	7.5	7.5	8.3
CO CARBON MONOXIDE	MG/CIG	13.7	7.9	9.1	14.9	15.1	12.2
NO NITROGEN MONOXIDE	MG/CIG	0.16	0.10	0.08	0.21	0.32	0.17

F I L L E R

ALKALOIDS, TOTAL	%	1.86	1.74	1.67	1.76	1.83	1.75
REDUCING SUGARS	%	6.4	7.7	11.7	7.9	3.8	7.2
NITRATE NITROGEN	%	0.17	0.19	0.11	0.25	0.32	0.19
AMMONIA NITROGEN	%	0.18	0.18	0.08	0.09	0.36	0.18
TOB. WT. AT 12.5 % OV	MG/CIG	752	869	759	783	823	774
DENSITY AT 12.5 % OV	MG/ML	244	244	250	248	242	251
OV AT EQUILIBRIUM	%	13.5	13.8	12.2	12.7	11.7	12.4

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	969	935	964	987	1021	980
CIG. LENGTH, TOTAL	MM	84	70	84	84	74	84
CIG. DIAMETER/CIRCUMFER.	MM	7.90/24.8	8.05/25.2	7.90/24.8	7.92/24.8	8.43/26.4	7.91/24.8
CIG. RTD	MM H2O	102	47	110	129	87	130
CIG. VENTILATION	%	13		32			17
FIRMNESS AS IS	MM	2.84	2.64	2.31	2.32	1.84	2.12
OVEN VOLATILES AS IS	%	12.7	12.3	11.9	11.6	11.7	11.7
FIRMNESS AT 12.5 % OV	MM	2.76	2.71	2.58	2.69	2.19	2.46
CIG. PAP. VENTIL. SYST.			EP				

F I L T E R

FILTER TYPE		S		S		S		S
FM FILTER MATERIAL		CA		CA		CA		CA
FILTER LENGTH, TOTAL	MM	21		22		20		13
FILTER-LENGTH PLUG 1	MM							
FILTER-LENGTH PLUG 2	MM							
FILTER-LENGTH PLUG 3	MM							
FA FIL.ADDITIVE TYPE								
FILTER WEIGHT	MG/FIL	158		162		153		157
FILTER RTD	MM H2O	63		75		62		43
FILTER EFFICIENCY	%							
TIPPING LENGTH ON CIG.	MM	25		26		24		17
TIPPING PAPER TYPE	IC			ICD		IC		WHD
TIPPING PERFO. TYPE		EPZ		MLPS				EPZ
TIPPING, PERFO. LINES	NO.			4				

33.440

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BE

+ PME Brand () Converted values = PME specifications * Comments

2500077810

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+L & M	+MARLBORO K.S.	+MARLBORO KING SIZE	+MARLBORO KING SIZE	+MARLBORO KING SIZE	+MARLBORO LIGHTS 100'S BERGEN OZ
BE: BELGIUM	PROD. CENTERS OR MANUFACTURER	MUNICH	IXELLES	BERGEN OZ	BERLIN	MUNICH	
	CIGARETTE CODE	LMY01	MLB15	MLB20	MLK40	MLK40	MMX06
	SIZE/NB PER PACK	KS F/25	KS F/20	KS F/20	KS F/20	KS F/20	100 F/20
	SAMPLING CODE	A 00 4	A 00 4	A 00 4	A 00 4	A 00 4	A 00 4

S M O K E

TPM TOT. PARTIC. MATTER	MG/CIG	17.1	18.5	17.9	17.1	17.5	11.7
DPM DRY. PARTIC. MATTER	MG/CIG	14.7	15.9	15.3	14.7	14.9	10.7
TAR (=TPM-SN-H2O)	MG/CIG	13.7	14.9	14.4	13.8	14.0	10.0
SN SMOKE NICOTINE	MG/CIG	0.97	0.96	0.90	0.97	0.96	0.72
RATIO SN/TAR	%	7.1	6.4	6.2	7.0	6.9	7.3
PUFF COUNT	NO./CIG	8.3	8.1	8.1	8.4	8.6	9.8
CO CARBON MONOXIDE	MG/CIG	13.8	14.6	14.0	13.8	14.1	10.5
NO NITROGEN MONOXIDE	MG/CIG	0.16	0.21	0.20	0.20	0.20	0.16

F I L L E R

ALKALOIDS, TOTAL	%	1.81	1.82	1.82	1.87	1.84	1.84
REDUCING SUGARS	%	6.5	8.0	7.8	5.9	6.2	8.2
NITRATE NITROGEN	%	0.17	0.20	0.20	0.21	0.20	0.20
AMMONIA NITROGEN	%	0.17	0.25	0.24	0.27	0.26	0.24
TOB. WT. AT 12.5 % OV	MG/CIG	751	746	752	768	768	875
DENSITY AT 12.5 % OV	MG/ML	243	242	242	250	250	245
OV AT EQUILIBRIUM	%	13.5	14.0	14.2	13.6	13.7	14.2

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	970	973	979	990	995	1154
CIG. LENGTH, TOTAL	MM	84	84	84	84	84	98
CIG. DIAMETER/CIRCUMFER.	MM	7.90/24.8	7.90/24.8	7.92/24.8	7.89/24.7	7.88/24.7	7.89/24.7
CIG. RTD	MM H2O	102	108	107	106	109	110
CIG. VENTILATION	%	13	12	14	13	13	40
FIRMNESS AS IS	MM	2.84	2.83	2.80	2.73	2.73	2.91
OVEN VOLATILES AS IS	%	12.6	12.8	12.7	12.5	12.5	12.9
FIRMNESS AT 12.5 % OV	MM	2.81	2.71	2.71	2.72	2.72	2.74
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE		S	S	S	S	S	S
FM FILTER MATERIAL		CA	CA	CA	CA	CA	CA
FILTER LENGTH,TOTAL	MM	21	21	21	21	21	25
FILTER-LENGTH PLUG 1	MM						
FILTER-LENGTH PLUG 2	MM						
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	158	163	162	164	163	201
FILTER RTD	MM H2O	63	69	69	69	69	96
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	25	25	25	25	25	32
TIPPING PAPER TYPE	IC	IC	IC	IC	IC	IC	ICWHDL
TIPPING PERFO. TYPE		EPZ	EPZ	EPZ	EPZ	EPZ	EPZ
TIPPING,PERFO. LINES	NO.						

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BE

+ PME Brand () Converted values = PME specifications * Comments

2500077811

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+MARLBORO LIGHTS	+MARLBORO 100'S	+MERIT	+NORTH POLE MENTHOL	PETER STUYVESANT EXTRA M.	PETER STUYVESANT
BE BELGIUM	PROD. CENTERS OR MANUFACTURER	BERGEN OZ	BERGEN OZ	BERGEN OZ	IXELLES	JUBILE BE	JUBILE BE
	CIGARETTE CODE	MLX01	MLH01	MER20	NLK05	PSEDC	PSKDC
	SIZE/NB PER PACK	KS F/20	100 F/20	KS F/20	KS F/20	KS F/25	KS F/25
	SAMPLING CODE	A 00 4	A 00 4	A 01 2	A 01 2	B 02 2	B 02 2

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	10.1	18.2	7.9	17.4	5.2	15.3
DPM DRY.PARTIC.MATTER	MG/CIG	9.2	16.2	7.2	15.0	4.9	13.8
TAR (=TPM-SN-H2O)	MG/CIG	8.6	15.2	6.7	14.2	4.5	12.9
SN SMOKE NICOTINE	MG/CIG	0.60	1.01	0.47	0.84	0.39	0.97
RATIO SN/TAR	%	7.0	6.7	7.0	6.0	8.6	7.5
PUFF COUNT	NO./CIG	7.6	9.7	7.9	7.5	7.9	8.5
CO CARBON MONOXIDE	MG/CIG	9.8	14.1	9.2	14.4	3.7	12.0
NO NITROGEN MONOXIDE	MG/CIG	0.14	0.21	0.14	0.13	0.05	0.08

F I L L E R

ALKALOIDS, TOTAL	%	1.83	1.82	1.81	1.65	1.89	1.70
REDUCING SUGARS	%	7.9	8.0	7.2	10.9	9.4	13.4
NITRATE NITROGEN	%	0.20	0.21	0.23	0.13	0.16	0.11
AMMONIA NITROGEN	%	0.24	0.25	0.19	0.08	0.13	0.06
TOB. WT. AT 12.5 % OV	MG/CIG	702	879	705	701	637	772
DENSITY AT 12.5 % OV	MG/ML	242	247	242	228	218	253
OV AT EQUILIBRIUM	%	14.2	14.3	13.8	12.6	12.3	12.5

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	970	1153	977	918	871	987
CIG. LENGTH, TOTAL	MM	84	98	84	84	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.92/24.8	7.87/24.7	7.93/24.9	7.89/24.7	7.94/24.9	7.91/24.8
CIG. RTD	MM H2O	107	114	120	126	88	115
CIG. VENTILATION	%	36	20	39		60	15
FIRMNESS AS IS	MM	2.95	2.81	2.86	2.37	2.71	2.91
OVEN VOLATILES AS IS	%	12.9	12.8	12.7	12.3	12.1	13.0
FIRMNESS AT 12.5 % OV	MM	2.80	2.69	2.78	2.47	2.86	2.73
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE	S	S	S	S	S	S
FM FILTER MATERIAL	CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	25	25	25	21	25
FILTER-LENGTH PLUG 1	MM					
FILTER-LENGTH PLUG 2	MM					
FILTER-LENGTH PLUG 3	MM					
FA FIL.ADDITIVE TYPE						
FILTER WEIGHT	MG/FIL	203	198	208	165	187
FILTER RTD	MM H2O	95	71	111	71	82
FILTER EFFICIENCY	%					
TIPPING LENGTH ON CIG.	MM	32	29	32	25	29
TIPPING PAPER TYPE	ICWHD	ICD	ICWHD	WHD	ICD	IC
TIPPING PERFO. TYPE	EP2	EP2	EP2		MLPM	EP2
TIPPING, PERFO. LINES	NO.				1	

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+ PME Brand () Converted values = PME specifications * Comments

2500077812

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+PHILIP MORRIS 100 SUPER L. BERGEN OZ	+PHILIP MORRIS LIGHTS IXELLES	+PHILIP MORRIS SUPER L. BERGEN OZ	+PHILIP MORRIS ULTRA LGTS MUNICH	RICHMOND JUBILEE BE	+VISA ROUGE JUBILEE
BE-BELGIUM	PROD. CENTERS OR MANUFACTURER						
	CIGARETTE CODE	PHS02	PML02	PMS06	PMU08	RIDBC	VAR05
	SIZE/NB PER PACK	100 F/20	KS F/20	KS F/20	KS F/20	REG F/25	REG F/25
	SAMPLING CODE	A 01 2	A 00 3	A 00 4	A 00 4	A 03 1	A 00 4

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	4.5	10.3	4.4	2.7	18.8	17.3
DPM DRY.PARTIC.MATTER	MG/CIG	4.2	9.4	4.1	2.5	15.9	14.9
TAR (=TPM-SN-H2O)	MG/CIG	3.9	8.7	3.8	2.3	14.9	13.9
SN SMOKE NICOTINE	MG/CIG	0.31	0.63	0.31	0.23	1.01	0.95
RATIO SN/TAR	%	8.1	7.2	8.1	9.8	6.8	6.8
PUFF COUNT	NO./CIG	9.4	7.7	7.6	7.4	8.4	8.4
CO CARBON MONOXIDE	MG/CIG	4.3	9.7	4.0	2.7	14.0	13.0
NO NITROGEN MONOXIDE	MG/CIG	0.06	0.13	0.06	0.04	0.11	0.13

F I L L E R

ALKALOIDS, TOTAL	%	2.06	1.83	2.07	2.54	1.76	1.55
REDUCING SUGARS	%	9.1	8.3	8.5	8.4	11.9	12.2
NITRATE NITROGEN	%	0.18	0.20	0.18	0.15	0.10	0.16
AMMONIA NITROGEN	%	0.13	0.28	0.14	0.14	0.10	0.11
TOB. WT. AT 12.5 % OV	MG/CIG	815	694	656	598	860	880
DENSITY AT 12.5 % OV	MG/ML	229	241	226	208	262	267
OV AT EQUILIBRIUM	%	14.0	13.9	13.9	12.5	12.3	12.9

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	1106	962	930	883	1054	1070
CIG. LENGTH, TOTAL	MM	98	84	84	84	74	74
CIG. DIAMETER/CIRCUMFER.	MM	7.88/24.7	7.89/24.7	7.92/24.8	7.89/24.7	8.41/26.4	8.43/26.4
CIG. RTD	MM H2O	100	106	101	79	107	92
CIG. VENTILATION	%	69	36	64	66	13	13
FIRMNESS AS IS	MM	2.95	2.80	2.71	2.91	2.38	2.94
OVEN VOLATILES AS IS	%	13.1	12.6	12.7	11.8	11.4	12.1
FIRMNESS AT 12.5 % OV	MM	2.71	2.76	2.64	3.21	2.84	3.11
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE		S	S	S	D	S	S
FM FILTER MATERIAL		CA	CA	CA	CAP	CA	CA
FILTER LENGTH,TOTAL	MM	25	25	25	25	15	15
FILTER-LENGTH PLUG 1	MM				16.0		
FILTER-LENGTH PLUG 2	MM				9.0		
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	210	203	212	234	142	137
FILTER RTD	MM H2O	118	99	118	113	60	53
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	36	32	32	32	19	19
TIPPING PAPER TYPE		ICWHDL	ICWHDL	ICWHDL	ICWHDL	IC	IC
TIPPING PERFO. TYPE		MLPS	EPZ	MLPS	MLPS		EPZ
TIPPING,PERFO. LINES	NO.	6		4	5		

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BE

+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

UGE

COUNTRY OF SALE	BRAND NAME	+VISA VERTE	WINSTON
BE BELGIUM	PROD. CENTERS OR MANUFACTURER	JUBILE	GOSSET BE
	CIGARETTE CODE	VAV05	WIBOC
	SIZE/NB PER PACK	REG F/25	KS F/20
	SAMPLING CODE	A 00 3	B 01 1

5

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	17.3	16.1
DPM DRY.PARTIC.MATTER	MG/CIG	15.0	14.3
TAR (=TPM-SN-H2O)	MG/CIG	14.0	13.2*

SN SMOKE NICOTINE	MG/CIG	0.96	1.02
RATIO SN/TAR	%	6.8	7.7
PUFF COUNT	NO./CIG	8.2	8.2

CO CARBON MONOXIDE	MG/CIG	12.6	11.2*
NO NITROGEN MONOXIDE	MG/CIG	0.09	0.17*

F I L L E R

ALKALOIDS, TOTAL	%	1.54	1.89
REDUCING SUGARS	%	12.5	9.1
NITRATE NITROGEN	%	0.12	0.21

AMMONIA NITROGEN	%	0.07	0.15
TOB. WT. AT 12.5 % OV	MG/CIG	860	776
DENSITY AT 12.5 % OV	MG/ML	262	249

OV AT EQUILIBRIUM	%	12.6	12.7
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C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	1047	992
CIG. LENGTH, TOTAL	MM	74	84
CIG. DIAMETER/CIRCUMFER.	MM	8.42/26.4	7.94/24.9

CIG. RTD	MM H2O	87	96
CIG. VENTILATION	%	13	17
FIRMNESS AS IS	MM	3.36	3.05

OVEN VOLATILES AS IS	%	12.5	13.1
FIRMNESS AT 12.5 % OV	MM	3.35	2.80
CIG. PAP. VENTIL. SYST.			

F I L T E R

FILTER TYPE	S	S
FM FILTER MATERIAL	CA	CA
FILTER LENGTH, TOTAL	MM 15	21

FILTER-LENGTH PLUG 1	MM	
FILTER-LENGTH PLUG 2	MM	
FILTER-LENGTH PLUG 3	MM	

FA FIL.ADDITIVE TYPE			
FILTER WEIGHT	MG/FIL	138	164
FILTER RTD	MM H2O	53	63

FILTER EFFICIENCY	%		
TIPPING LENGTH ON CIG.	MM	19	25
TIPPING PAPER TYPE	WHD		IC

TIPPING PERFO. TYPE	EPZ	EPZ*
TIPPING,PERFO. LINES	NO.	

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BE

+ PME Brand () Converted values = PME specifications * Comments

2500077814

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	BT FILTER
BG BULGARIA	PROD. CENTERS OR MANUFACTURER	BULGAR TAB
	CIGARETTE CODE	BTFAC
	SIZE/NB PER PACK	KS F/20
	SAMPLING CODE	B 01 2

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	25.1
DPM DRY.PARTIC.MATTER	MG/CIG	21.4
TAR (=TPM-SN-H2O)	MG/CIG	20.2
SN SMOKE NICOTINE	MG/CIG	1.11
RATIO SN/TAR	%	5.5
PUFF COUNT	NO./CIG	11.4
CO CARBON MONOXIDE	MG/CIG	15.5
NO NITROGEN MONOXIDE	MG/CIG	0.16

F I L L E R

ALKALOIDS, TOTAL	%	1.23
REDUCING SUGARS	%	9.2
NITRATE NITROGEN	%	0.11
AMMONIA NITROGEN	%	0.12
TOB. WT. AT 12.5 % OV	MG/CIG	760
DENSITY AT 12.5 % OV	MG/ML	232
OV AT EQUILIBRIUM	%	11.5

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	953
CIG. LENGTH, TOTAL	MM	84
CIG. DIAMETER/CIRCUMFER.	MM	8.07/25.3
CIG. RTD	MM H2O	104
CIG. VENTILATION	%	
FIRMNESS AS IS	MM	2.24
OVEN VOLATILES AS IS	%	10.7
FIRMNESS AT 12.5 % OV	MM	2.95
CIG. PAP. VENTIL. SYST.		

F I L T E R

FILTER TYPE	S
FM FILTER MATERIAL	CA
FILTER LENGTH, TOTAL	MM 20
FILTER-LENGTH PLUG 1	MM
FILTER-LENGTH PLUG 2	MM
FILTER-LENGTH PLUG 3	MM
FA FIL.ADDITIVE TYPE	
FILTER WEIGHT	MG/FIL 152
FILTER RTD.	MM H2O 56
FILTER EFFICIENCY	%
TIPPING LENGTH ON CIG.	MM 24
TIPPING PAPER TYPE	IC
TIPPING PERFO. TYPE	
TIPPING, PERFO. LINES	NO.

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BG

2500077815

+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+FORTUNA	+FORTUNA	+FORTUNA LIGHTS	+LARK	+MARLBORO	+MARLBORO KING SIZE
CJ-CANARY ISL	PROD. CENTERS OR MANUFACTURER	PM ST-CRUZ	PM ST-CRUZ	PM ST-CRUZ	PM ST-CRUZ	PM ST-CRUZ	PM ST-CRUZ
	CIGARETTE CODE	FOK01	FOT01	FOL01	LAB01	MLF32	MLK35
	SIZE/NB PER PACK	KS F/20	LS F/20	KS F/20	LS F/20	LS F/20	KS F/20
	SAMPLING CODE	A 00 3	A 00 3	A 00 3	A 00 3	A 00 4	A 02 2

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	20.2	20.4	11.6	18.9	19.5	18.9
DPM DRY.PARTIC.MATTER	MG/CIG	16.8	16.7	10.4	15.5	16.1	16.1
TAR (=TPM-SN-H2O)	MG/CIG	15.8	15.7	9.6	14.5	15.1	15.1
SN SMOKE NICOTINE	MG/CIG	1.06	1.02	0.72	0.97	0.96	1.01
RATIO SN/TAR	%	6.8	6.5	7.5	6.7	6.4	6.7
PUFF COUNT	NO./CIG	8.2	7.9	8.8	7.4	7.8	8.5
CO CARBON MONOXIDE	MG/CIG	16.2	15.3	11.3	15.1	15.8	14.8
NO NITROGEN MONOXIDE	MG/CIG	0.21	0.22	0.17	0.25	0.26	0.26

F I L L E R

ALKALOIDS, TOTAL	%	1.86	1.85	1.84	1.74	1.81	1.86
REDUCING SUGARS	%	7.8	7.9	7.7	7.9	7.7	8.2
NITRATE NITROGEN	%	0.22	0.22	0.22	0.22	0.26	0.25
AMMONIA NITROGEN	%	0.17	0.19	0.18	0.20	0.23	0.22
TOB. WT. AT 12.5 % OV	MG/CIG	811	768	813	749	758	789
DENSITY AT 12.5 % OV	MG/ML	259	263	261	255	258	253
OV AT EQUILIBRIUM	%	12.7	13.0	12.8	12.3	13.0	13.3

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	1020	969	1055	1055	966	1014
CIG. LENGTH, TOTAL	MM	84	79	84	79	80	84
CIG. DIAMETER/CIRCUMFER.	MM	7.95/24.9	7.93/24.9	7.95/24.9	7.94/24.9	7.93/24.9	7.94/24.9
CIG. RTD	MM H2O	119	118	139	117	124	126
CIG. VENTILATION	%			25			
FIRMNESS AS IS	MM	2.71	2.87	2.46	2.39	2.71	2.81
OVEN VOLATILES AS IS	%	12.2	12.7	12.3	11.5	12.6	12.6
FIRMNESS AT 12.5 % OV	MM	2.83	2.81	2.57	2.82	2.68	2.76
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE	S	S	S	PSP	S	S
FM FILTER MATERIAL	CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	21	20	21	20	21
FILTER-LENGTH PLUG 1	MM			7.0		
FILTER-LENGTH PLUG 2	MM			8.0		
FILTER-LENGTH PLUG 3	MM					
FA FIL.ADDITIVE TYPE				AC		
FILTER WEIGHT	MG/FIL	155	148	260	155	166
FILTER RTD	MM H2O	60	58	99	66	70
FILTER EFFICIENCY	%					
TIPPING LENGTH ON CIG.	MM	25	24	27	25	24
TIPPING PAPER TYPE	IC	IC	WHDL	ICD	IC	IC
TIPPING PERFO. TYPE			EPZ			
TIPPING, PERFO. LINES	NO.					

33.440

DATE 09/07/92 TIME 11.25

CJ

+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+MARLBORO LIGHTS	+MARLBORO LIGHTS	+MERIT	+SWING LIGHTS
CJ CANARY ISL	PROD. CENTERS OR MANUFACTURER	PM ST-CRUZ	PM ST-CRUZ	PM ST-CRUZ	PM ST-CRUZ
	CIGARETTE CODE	MLL12	MLX10	MEQ07	SWE02
	SIZE/NB PER PACK	LS F/20	KS F/20	LS F/20	LS F/20
	SAMPLING CODE	A 00 3	A 01 2	A 01 2	A 02 2

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	11.4	11.0	10.9	10.5
DPM DRY.PARTIC.MATTER	MG/CIG	10.2	9.9	9.7	9.4
TAR (=TPM-SN-H2O)	MG/CIG	9.5	9.2	9.0	8.8
SN SMOKE NICOTINE	MG/CIG	0.68	0.69	0.66	0.64
RATIO SN/TAR	%	7.1	7.5	7.3	7.3
PUFF COUNT	NO./CIG	7.8	8.1	7.5	8.0
CO CARBON MONOXIDE	MG/CIG	11.7	10.3	10.9	10.5
NO NITROGEN MONOXIDE	MG/CIG	0.20	0.20	0.19	0.16

F I L L E R

ALKALOIDS, TOTAL	%	1.78	1.79	1.81	1.80
REDUCING SUGARS	%	8.6	7.5	7.3	8.7
NITRATE NITROGEN	%	0.24	0.25	0.27	0.24
AMMONIA NITROGEN	%	0.22	0.23	0.24	0.15
TOB. WT. AT 12.5 % OV	MG/CIG	761	817	730	750
DENSITY AT 12.5 % OV	MG/ML	260	263	249	257
OV AT EQUILIBRIUM	%	13.2	12.3	12.9	13.0

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	1001	1063	978	993
CIG. LENGTH, TOTAL	MM	79	84	80	80
CIG. DIAMETER/CIRCUMFER.	MM	7.95/24.9	7.92/24.8	7.94/24.9	7.90/24.8
CIG. RTD	MM H2O	138	141	145	147
CIG. VENTILATION	%	24	19	26	25
FIRMNESS AS IS	MM	2.93	2.50	3.20	2.84
OVEN VOLATILES AS IS	%	12.9	11.7	13.0	12.8
FIRMNESS AT 12.5 % OV	MM	2.79	2.83	3.02	2.74
CIG. PAP. VENTIL. SYST.					

F I L T E R

FILTER TYPE		S	S	S	S
FM FILTER MATERIAL		CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	20	21	20	20
FILTER-LENGTH PLUG 1	MM				
FILTER-LENGTH PLUG 2	MM				
FILTER-LENGTH PLUG 3	MM				
FA FIL.ADDITIVE TYPE					
FILTER WEIGHT	MG/FIL	182	190	191	187
FILTER RTD	MM H2O	101	105	115	112
FILTER EFFICIENCY	%				
TIPPING LENGTH ON CIG.	MM	27	31	27	27
TIPPING PAPER TYPE		ICWHDL	ICWHDL	ICWHDL	ICWHDL
TIPPING PERFO. TYPE		MLPS	MLPS	MLPS	EPZ
TIPPING, PERFO. LINES	NO.	2	2	2	

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CJ

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+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+MARLBORO KING SIZE	+MARLBORO LIGHTS	+MULTI- FILTER 100'S MUNICH	+PHILIP MORRIS LIGHTS BERGEN OZ	+PHILIP MORRIS SUPER L. MUNICH
CC. CORSICA	PROD. CENTERS OR MANUFACTURER	MACOTAB	MACOTAB			
	CIGARETTE CODE	MLB17	MLX27	MPH15	PML04	PMS01
	SIZE/NB PER PACK	KS F/20	KS F/20	100 F/20	KS F/20	KS F/20
	SAMPLING CODE	A 00 4	A 00 4	A 00 3	A 00 4	A 00 2

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	17.1	10.0	10.4	10.1	4.0
DPM DRY.PARTIC.MATTER	MG/CIG	14.9	9.0	9.6	9.1	3.7
TAR (=TPM-SN-H2O)	MG/CIG	13.9	8.4	8.8	8.5	3.4
SN SMOKE NICOTINE	MG/CIG	0.94	0.61	0.75	0.60	0.28
RATIO SN/TAR	%	6.8	7.3	8.5	7.1	8.2
PUFF COUNT	NO./CIG	8.1	7.3	10.0	7.7	8.2
CO CARBON MONOXIDE	MG/CIG	14.3	10.2	10.8	9.3	4.9
NO NITROGEN MONOXIDE	MG/CIG	0.19	0.15	0.10	0.14	0.07

F I L L E R

ALKALOIDS, TOTAL	%	1.78	1.79	1.65	1.81	1.94
REDUCING SUGARS	%	7.5	7.4	11.9	8.1	9.6
NITRATE NITROGEN	%	0.21	0.21	0.14	0.21	0.19
AMMONIA NITROGEN	%	0.24	0.24	0.09	0.24	0.15
TOB. WT. AT 12.5 % OV	MG/CIG	752	685	827	703	648
DENSITY AT 12.5 % OV	MG/ML	242	236	231	242	223
OV AT EQUILIBRIUM	%	13.2	13.4	12.0	14.3	13.5

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	977	950	1145	970	924
CIG. LENGTH, TOTAL	MM	84	84	98	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.93/24.9	7.91/24.8	7.87/24.7	7.92/24.8	7.92/24.8
CIG. RTD	MM H2O	109	115	122	106	99
CIG. VENTILATION	%	16	32	38	37	60
FIRMNESS AS IS	MM	2.97	2.88	2.62	2.86	2.97
OVEN VOLATILES AS IS	%	12.5	12.5	11.8	12.7	12.8
FIRMNESS AT 12.5 % OV	MM	2.97	2.89	2.88	2.80	2.85
CIG. PAP. VENTIL. SYST.						

F I L T E R

FILTER TYPE		S	S	D	S	S
FM FILTER MATERIAL		CA	CA	CA	CA	CA
FILTER LENGTH,TOTAL	MM	21	25	25	25	25
FILTER-LENGTH PLUG 1	MM			12.0		
FILTER-LENGTH PLUG 2	MM			13.0		
FILTER-LENGTH PLUG 3	MM					
FA FIL.ADDITIVE TYPE				AC		
FILTER WEIGHT	MG/FIL	166	207	267	202	217
FILTER RTD	MM H2O	70	98	99	96	119
FILTER EFFICIENCY	%					
TIPPING LENGTH ON CIG.	MM	25	32	29	32	32
TIPPING PAPER TYPE		IC	ICWHDL	WHGRD	ICWHDL	ICWHDL
TIPPING PERFO. TYPE		EPZ	EPZ	MLPS	EPZ	MLPS
TIPPING,PERFO. LINES	NO.			4		4

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CC

+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+BOND STREET	+BOND STREET	+L & M 100'S	+MARLBORO LIGHTS
CY: CYPRUS (GR)	PROD. CENTERS OR MANUFACTURER	CURITIBA	CURITIBA	CURITIBA	MUNICH
	CIGARETTE CODE	BSF01	BSK02	LMH01	MLX21
	SIZE/NB PER PACK	LS F/20	KS F/20	100 F/20	KS F/20
	SAMPLING CODE	A 00 3	A 00 4	A 00 4	A 00 2

S M O K E

TPM TOT. PARTIC. MATTER	MG/CIG	18.0	18.4	19.7	9.2
DPM DRY. PARTIC. MATTER	MG/CIG	15.0	15.3	17.8	8.1
TAR (=TPM-SN-H2O)	MG/CIG	14.0	14.4	16.6	7.5
SN SMOKE NICOTINE	MG/CIG	0.90	0.94	1.14	0.59
RATIO SN/TAR	%	6.4	6.5	6.9	7.9
PUFF COUNT	NO./CIG	6.9	7.5	9.6	8.2
CO CARBON MONOXIDE	MG/CIG	15.7	16.2	17.7	
NO NITROGEN MONOXIDE	MG/CIG	0.22	0.23	0.22	

F I L L E R

ALKALOIDS, TOTAL	%	1.73	1.69	1.69	1.78
REDUCING SUGARS	%	8.6	9.4	9.7	8.7
NITRATE NITROGEN	%	0.24	0.24	0.19	0.22
AMMONIA NITROGEN	%	0.25	0.26	0.23	0.26
TOB. WT. AT 12.5 % OV	MG/CIG	712	749	960	
DENSITY AT 12.5 % OV	MG/ML	247	244	252	
OV AT EQUILIBRIUM	%	12.1	12.5	12.6	13.5

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	909	953	1189	
CIG. LENGTH, TOTAL	MM	80	84	99	84
CIG. DIAMETER/CIRCUMFER.	MM	7.82/24.5	7.83/24.5	7.84/24.6	
CIG. RTD	MM H2O	114	120	121	111
CIG. VENTILATION	%			12	36
FIRMNESS AS IS	MM	2.74	2.48	2.77	
OVEN VOLATILES AS IS	%	12.3	12.2	12.5	
FIRMNESS AT 12.5 % OV	MM	2.84	2.61	2.79	
CIG. PAP. VENTIL. SYST.					

F I L T E R

FILTER TYPE		S	S	S	S
FM FILTER MATERIAL		CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	20	20	20	25
FILTER-LENGTH PLUG 1	MM				
FILTER-LENGTH PLUG 2	MM				
FILTER-LENGTH PLUG 3	MM				
FA FIL. ADDITIVE TYPE					
FILTER WEIGHT	MG/FIL	148	152	155	217
FILTER RTD	MM H2O	66	65	64	86
FILTER EFFICIENCY	%				
TIPPING LENGTH ON CIG.	MM	24	24	30	32
TIPPING PAPER TYPE	IC	IC	ICD	WHD	
TIPPING PERFO. TYPE				EPZ	EPZ
TIPPING, PERFO. LINES	NO.				

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CY

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+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	CLEA	DISCO	+MARLBORO	MARS M 20	MILDE SORTE	PETRA
CS C.S.F.R.	PROD. CENTERS OR MANUFACTURER	CSTP	CSTP	KUTNA HORA	CSTP	CSTP	CSTP
	CIGARETTE CODE	CCLAC	DICAC	MLK46	MMAAC	MSDFC	PEAAC
	SIZE/NB PER PACK	KS F/20	KS F/20	KS F/20	REG F/20	KS F/20	KS F/20
	SAMPLING CODE	B 01 1	B 01 2	A 00 4	B 01 1	B 01 1	B 01 2

S M O K E

TPM TOT. PARTIC. MATTER	MG/CIG	26.2	26.3	20.3	18.1	19.1	20.3
DPM DRY. PARTIC. MATTER	MG/CIG	23.3	22.2	16.8	16.0	16.5	17.5
TAR (=TPM-SN-H2O)	MG/CIG	22.3*	20.8	15.8	15.2*	15.5*	X 16.5
SN SMOKE NICOTINE	MG/CIG	0.99*	1.39	1.01	0.80*	1.00*	X 1.00
RATIO SN/TAR	%	4.4	6.7	6.4	5.3	6.4	6.0
PUFF COUNT	NO./CIG	11.4*	9.4	8.0	7.9*	8.4*	9.2
CO CARBON MONOXIDE	MG/CIG	20.4	15.8	15.3	13.0	14.1	16.6
NO NITROGEN MONOXIDE	MG/CIG	0.14	0.12	0.24	0.26	0.15	0.22

F I L L E R

ALKALOIDS, TOTAL	%	1.02	1.75	1.80	1.28	1.52	1.63
REDUCING SUGARS	%	9.9	7.3	7.4	7.7	9.7	11.0
NITRATE NITROGEN	%	0.10	0.10	0.24	0.32	0.14	0.19
AMMONIA NITROGEN	%	0.09	0.10	0.26	0.13	0.10	0.12
TOB. WT. AT 12.5 % OV	MG/CIG	902	744	774	688	754	866
DENSITY AT 12.5 % OV	MG/ML	267	238	242	238	235	273
OV AT EQUILIBRIUM	%	11.0	10.9	13.1	11.5	12.4	11.6

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	1124	933	995	869	960	1063
CIG. LENGTH, TOTAL	MM	84	84	85	70	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.90/24.8	7.88/24.7	7.94/24.9	7.89/24.7	7.99/25.0	7.94/24.9
CIG. RTD	MM H2O	132	87	112	101	103	110
CIG. VENTILATION	%						
FIRMNESS AS IS	MM	2.06	1.97	2.41	2.40	2.51	2.31
OVEN VOLATILES AS IS	%	8.2	8.8	11.1	11.5	10.0	10.3
FIRMNESS AT 12.5 % OV	MM	3.78	3.46	2.97	2.81	3.51	3.19
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE		S	S	S	S	S	S
FM FILTER MATERIAL		CA	CA	CA	CA	CA	CA
FILTER LENGTH,TOTAL	MM	15	20	20	11	20	20
FILTER-LENGTH PLUG 1	MM						
FILTER-LENGTH PLUG 2	MM						
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	186	151	162	138	159	154
FILTER RTD	MM H2O	72	52	66	52	54	51
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	19	24	24	19	24	24
TIPPING PAPER TYPE		IC	IC	IC	IC	IC	IC
TIPPING PERFO. TYPE							
TIPPING,PERFO. LINES	NO.						

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CS

+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	SPARTA	START MON FILTER
CS-C.S.F.R.	PROD. CENTERS OR MANUFACTURER	CSTP	CSTP
	CIGARETTE CODE	SPBAC	STZAC
	SIZE/NB PER PACK	KS F/20	REG N/20
	SAMPLING CODE	B 01 2	B 01 2

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	22.7	23.8
DPM DRY.PARTIC.MATTER	MG/CIG	19.7	21.0
TAR (=TPM-SN-H2O)	MG/CIG	18.4	19.8
SN SMOKE NICOTINE	MG/CIG	1.35	1.13
RATIO SN/TAR	%	7.3	5.7
PUFF COUNT	NO./CIG	9.9	7.9
CO CARBON MONOXIDE	MG/CIG	16.8	11.0
NO NITROGEN MONOXIDE	MG/CIG	0.11	0.07

F I L L E R

ALKALOIDS, TOTAL	%	1.55	1.37
REDUCING SUGARS	%	11.7	7.6
NITRATE NITROGEN	%	0.08	0.11
AMMONIA NITROGEN	%	0.07	0.12
TOB. WT. AT 12.5 % OV	MG/CIG	860	769
DENSITY AT 12.5 % OV	MG/ML	267	220
OV AT EQUILIBRIUM	%	11.7	10.9

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	1055	801
CIG. LENGTH, TOTAL	MM	84	70
CIG. DIAMETER/CIRCUMFER.	MM	8.01/25.1	7.97/25.0
CIG. RTD	MM H2O	97	40
CIG. VENTILATION	%		
FIRMNESS AS IS	MM	2.03	2.77
OVEN VOLATILES AS IS	%	10.5	10.9
FIRMNESS AT 12.5 % OV	MM	2.85	3.43
CIG. PAP. VENTIL. SYST.			

F I L T E R

FILTER TYPE	S	
FM FILTER MATERIAL	CA	
FILTER LENGTH, TOTAL	MM	20
FILTER-LENGTH PLUG 1	MM	
FILTER-LENGTH PLUG 2	MM	
FILTER-LENGTH PLUG 3	MM	
FA FIL.ADDITIVE TYPE		
FILTER WEIGHT	MG/FIL	152
FILTER RTD	MM H2O	51
FILTER EFFICIENCY	%	
TIPPING LENGTH ON CIG.	MM	24
TIPPING PAPER TYPE	IC	
TIPPING PERFO. TYPE		
TIPPING, PERFO. LINES	NO.	

33.440

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CS

2500077821

+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+MARLBORO KING SIZE	+MARLBORO LIGHTS	+MARLBORO 100'S	+MILD
DK-DENMARK	PROD. CENTERS OR MANUFACTURER	MUNICH	MUNICH	MUNICH	MUNICH
	CIGARETTE CODE	MLK40	MLX05	MHC06	MIL02
	SIZE/MB PER PACK	KS F/20	KS F/	100 F/20	KS F/20
	SAMPLING CODE	A 00 4	A 00 3	A 00 4	A 03 1
S M O K E					
TPM TOT.PARTIC.MATTER	MG/CIG	17.5	9.6	18.3	15.5
DPM DRY.PARTIC.MATTER	MG/CIG	14.9	8.7	16.0	13.5
TAR (=TPM-SN-H2O)	MG/CIG	14.0	8.1	15.0	12.7
SN SMOKE NICOTINE	MG/CIG	0.96	0.60	1.06	0.85
RATIO SN/TAR	%	6.9	7.4	7.1	6.7
PUFF COUNT	NO./CIG	8.6	8.0	10.3	9.1
CO CARBON MONOXIDE	MG/CIG	14.1	9.8	14.9	12.9
NO NITROGEN MONOXIDE	MG/CIG	0.20	0.14	0.21	0.19
F I L L E R					
ALKALOIDS, TOTAL	%	1.84	1.80	1.81	1.67
REDUCING SUGARS	%	6.2	8.2	6.3	10.2
NITRATE NITROGEN	%	0.20	0.20	0.23	0.24
AMMONIA NITROGEN	%	0.26	0.25	0.26	0.15
TOB. WT. AT 12.5 % OV	MG/CIG	768	717	886	827
DENSITY AT 12.5 % OV	MG/ML	250	247	249	269
OV AT EQUILIBRIUM	%	13.7	13.0	13.7	13.1
C I G A R E T T E					
CIG. WEIGHT, TOTAL	MG/CIG	995	977	1151	1042
CIG. LENGTH, TOTAL	MM	84	84	99	84
CIG. DIAMETER/CIRCUMFER.	MM	7.88/24.7	7.90/24.8	7.85/24.6	7.89/24.7
CIG. RTD	MM H2O	109	110	112	103
CIG. VENTILATION	%	13	34	18	13
FIRMNESS AS IS	MM	2.73	2.74	2.85	3.13
OVEN VOLATILES AS IS	%	12.5	12.6	12.3	13.0
FIRMNESS AT 12.5 % OV	MM	2.72	2.69	2.94	2.93
CIG. PAP. VENTIL. SYST.					
F I L T E R					
FILTER TYPE		S	S	S	S
FM FILTER MATERIAL		CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	21	25	25	21
FILTER-LENGTH PLUG 1	MM				
FILTER-LENGTH PLUG 2	MM				
FILTER-LENGTH PLUG 3	MM				
FA FIL.ADDITIVE TYPE					
FILTER WEIGHT	MG/FIL	163	203	199	163
FILTER RTD	MM H2O	69	96	72	70
FILTER EFFICIENCY	%				
TIPPING LENGTH ON CIG.	MM	25	32	29	25
TIPPING PAPER TYPE	IC	IC	ICWHDL	ICD	IC
TIPPING PERFO. TYPE	EPZ	EPZ	EPZ	EPZ	EPZ
TIPPING, PERFO. LINES	NO.				

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DK

2500077822

+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	CLEOPATRA 100'S	KENT DE LUXE	LITE	+MARLBORO	+MARLBORO LIGHTS	ROTHMANS
EG EGYPT	PROD. CENTERS OR MANUFACTURER	EASTERN TO	EASTERN TO	AL NASR	CAIRO TALB	CAIRO TALB	EASTERN TO
	CIGARETTE CODE	CLQBC	KEHEC	LISAC	MLF51	MLW01	RTKNC
	SIZE/NB PER PACK	100 F/20	100 F/20	LS F/20	LS F/20	LS F/20	KS F/20
	SAMPLING CODE	B 03 1	B 03 1	B 03 1	A 00 4	A 02 2	B 03 1

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	23.4	17.2	14.8	18.8	11.2	16.2
DPM DRY.PARTIC.MATTER	MG/CIG	20.8	14.9	12.9	15.6	10.1	13.5
TAR (=TPM-SN-H2O)	MG/CIG	19.7	14.0	12.1	14.7	9.4	12.6
SN SMOKE NICOTINE	MG/CIG	1.10	0.96	0.78	0.93	0.70	0.92
RATIO SN/TAR	%	5.6	6.8	6.5	6.4	7.5	7.3
PUFF COUNT	NO./CIG	12.2	8.0	9.6	7.7	8.0	7.7
CO CARBON MONOXIDE	MG/CIG	19.7	15.7	10.8	13.9	8.7	13.6
NO NITROGEN MONOXIDE	MG/CIG	0.19	0.27	0.10	0.23	0.16	0.10

F I L L E R

ALKALOIDS, TOTAL	%	1.35	1.78	1.43	1.78	1.78	1.64
REDUCING SUGARS	%	12.8	5.3	9.3	7.3	8.4	9.6
NITRATE NITROGEN	%	0.12	0.24	0.11	0.24	0.24	0.12
AMMONIA NITROGEN	%	0.10	0.16	0.09	0.24	0.25	0.06
TOB. WT. AT 12.5 % OV	MG/CIG	991	830	785	748	734	787
DENSITY AT 12.5 % OV	MG/ML	285	246	257	250	248	252
OV AT EQUILIBRIUM	%	12.3	12.0	12.9	12.8	12.8	11.7

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	1265	1103	990	953	948	1002
CIG. LENGTH, TOTAL	MM	100	98	80	79	79	84
CIG. DIAMETER/CIRCUMFER.	MM	7.95/24.9	7.95/24.9	7.99/25.0	7.97/25.0	7.93/24.9	7.89/24.7
CIG. RTD	MM H2O	149	139	93	114	90	113
CIG. VENTILATION	%			27	10	37	
FIRMNESS AS IS	MM	2.52	2.63	3.40	2.74	2.79	1.83
OVEN VOLATILES AS IS	%	11.2	11.7	13.3	12.0	12.9	10.8
FIRMNESS AT 12.5 % OV	MM	3.04	2.97	3.10	2.93	2.65	2.52
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE		S	S	S	S	S	S
FM FILTER MATERIAL		CA	CA	CA	CA	CA	CA
FILTER LENGTH,TOTAL	MM	30	30	19	19	19	20
FILTER-LENGTH PLUG 1	MM						
FILTER-LENGTH PLUG 2	MM						
FILTER-LENGTH PLUG 3	MM						
PA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	222	223	153	153	155	167
FILTER RTD	MM H2O	80	75	71	69	68	58
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	34	34	23	23	27	24
TIPPING PAPER TYPE		WH	WHD	IC	IC	WHDL	IC
TIPPING PERFO. TYPE				MLPS	EPZ	EPZ	
TIPPING,PERFO. LINES	NO.			4			

33.440

DATE 09/07/92 TIME 11.25

EG

+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	WINSTON
EG EGYPT	PROD. CENTERS OR MANUFACTURER	EASTERN TO
	CIGARETTE CODE	WIKRC
	SIZE/NB PER PACK	KS F/20
	SAMPLING CODE	B 03 1

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	18.7
DPM DRY.PARTIC.MATTER	MG/CIG	15.3
TAR (=TPM-SN-H2O)	MG/CIG	14.4
SN SMOKE NICOTINE	MG/CIG	0.89
RATIO SN/TAR	%	6.2
PUFF COUNT	NO./CIG	7.6
CO CARBON MONOXIDE	MG/CIG	12.9
NO NITROGEN MONOXIDE	MG/CIG	0.26

F I L L E R

ALKALOIDS, TOTAL	%	1.47
REDUCING SUGARS	%	7.7
NITRATE NITROGEN	%	0.30
AMMONIA NITROGEN	%	0.06
TOB. WT. AT 12.5 % OV	MG/CIG	743
DENSITY AT 12.5 % OV	MG/ML	232
OV AT EQUILIBRIUM	%	11.1

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	936
CIG. LENGTH, TOTAL	MM	84
CIG. DIAMETER/CIRCUMFER.	MM	7.98/25.0
CIG. RTD	MM H2O	97
CIG. VENTILATION	%	
FIRMNESS AS IS	MM	1.92
OVEN VOLATILES AS IS	%	10.6
FIRMNESS AT 12.5 % OV	MM	2.70
CIG. PAP. VENTIL. SYST.	EP	

F I L T E R

FILTER TYPE	S
FM FILTER MATERIAL	CA
FILTER LENGTH, TOTAL	MM 20
FILTER-LENGTH PLUG 1	MM
FILTER-LENGTH PLUG 2	MM
FILTER-LENGTH PLUG 3	MM
FA FIL.ADDITIVE TYPE	
FILTER WEIGHT	MG/FIL 153
FILTER RTD	MM H2O 46
FILTER EFFICIENCY	%
TIPPING LENGTH ON CIG.	MM 24
TIPPING PAPER TYPE	IC
TIPPING PERFO. TYPE	
TIPPING, PERFO. LINES	NO.

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EG

+ PME Brand () Converted values = PME specifications * Comments

2500077824

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+BELMONT EXTRA MILD	+BELMONT FILTER	+BELMONT MENTHOL	+BELMONT ULTRA	+BELMONT 2002	+BELMONT 2002 MENTHOL
SF FINLAND	PROD. CENTERS OR MANUFACTURER	ATO HYRYLA	ATO HYRYLA	ATO HYRYLA	ATO HYRYLA	ATO HYRYLA	ATO HYRYLA
	CIGARETTE CODE	BEL01	BEK01	BEI01	BEJ01	BER01	BEU01
	SIZE/NB PER PACK	KS F/20	KS F/20	KS F/20	KS F/20	KS F/20	KS F/20
	SAMPLING CODE	A 00 4	A 00 3	A 00 3	A 01 2	A 00 4	A 00 3

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	8.3	8.2	8.1	2.1	6.0	5.8
DEPM DRY.PARTIC.MATTER	MG/CIG	7.7	7.6	7.5	2.0	5.7	5.4
TAR (=TPM-SN-H2O)	MG/CIG	7.1	7.0	6.9	1.8	5.2	5.0
SN SMOKE NICOTINE	MG/CIG	0.61	0.59	0.58	0.19	0.48	0.45
RATIO SN/TAR	%	8.6	8.6	8.5	11.3	9.3	8.9
PUFF COUNT	NO./CIG	6.3	6.4	6.5	7.4	6.8	6.9
CO CARBON MONOXIDE	MG/CIG	7.8	8.3	7.9	2.1	5.5	5.1
NO NITROGEN MONOXIDE	MG/CIG	0.10	0.11	0.10	0.04	0.08	0.07

F I L L E R

ALKALOIDS, TOTAL	%	2.01	1.99	2.00	1.97	2.00	2.02
REDUCING SUGARS	%	9.3	10.0	9.5	9.3	9.5	9.5
NITRATE NITROGEN	%	0.20	0.19	0.21	0.20	0.19	0.20
AMMONIA NITROGEN	%	0.13	0.12	0.12	0.13	0.13	0.12
TOB. WT. AT 12.5 % OV	MG/CIG	565	565	560	560	566	565
DENSITY AT 12.5 % OV	MG/ML	209	210	207	206	209	208
OV AT EQUILIBRIUM	%	12.2	12.2	12.3	12.3	12.3	12.6

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	816	895	816	935	816	817
CIG. LENGTH, TOTAL	MM	84	84	84	84	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.85/24.6	7.82/24.5	7.85/24.6	7.87/24.7	7.84/24.6	7.87/24.7
CIG. RTD	MM H2O	97	100	101	73	82	80
CIG. VENTILATION	%	37	38	37	77	54	56
FIRMNESS AS IS	MM	3.00	2.62	2.95	2.79	3.04	2.95
OVEN VOLATILES AS IS	%	12.4	11.4	12.5	12.5	12.7	12.6
FIRMNESS AT 12.5 % OV	MM	3.07	3.06	2.96	2.78	2.96	2.91
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE		S		D		S		S		S		S
FM FILTER MATERIAL		CA		CA		CA		CA		CA		CA
FILTER LENGTH, TOTAL	MM	28		28		28		28		28		28
FILTER-LENGTH PLUG 1	MM			15.0								
FILTER-LENGTH PLUG 2	MM			13.0								
FILTER-LENGTH PLUG 3	MM											
FA FIL.ADDITIVE TYPE				AC								
FILTER WEIGHT	MG/FIL	208		286		213		332		206		206
FILTER RTD	MM H2O	83		86		88		110		82		82
FILTER EFFICIENCY	%											
TIPPING LENGTH ON CIG.	MM	32		32		32		32		32		32
TIPPING PAPER TYPE		ICWHDL		ICWHDL		ICWHDL		ICWHDL		ICWHDL		ICWHDL
TIPPING PERFO. TYPE		EPZ		EPZ		EPZ		MLPS		MLPS		MLPS
TIPPING, PERFO. LINES	NO.							6		6		6

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SF

+ PME Brand () Converted values = PME specifications * Comments

2500077825

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+L & M	+L & M LIGHTS	+L & M ULTRA LIGHTS	+MARLBORO	+MARLBORO LIGHTS 100'S	+MARLBORO LIGHTS MENTHOL
SF FINLAND	PROD. CENTERS OR MANUFACTURER	ATO HYRYLA	ATO HYRYLA	ATO HYRYLA	ATO HYRYLA	ATO HYRYLA	ATO HYRYLA
	CIGARETTE CODE	LMK19	LMD03	LMU01	MLK48	MHX10	MLI06
	SIZE/NB PER PACK	KS F/20	KS F/20	KS F/20	KS F/20	100 F/20	KS F/20
	SAMPLING CODE	A 00 1	A 00 2	A 01 2	A 00 4	A 00 3	A 00 4

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	16.3	8.7	3.1	16.3	11.0	9.4
DPM DRY.PARTIC.MATTER	MG/CIG	14.1*	8.0	2.9	14.2	10.1	8.6
TAR (=TPM-SN-H2O)	MG/CIG	13.2	7.4	2.6	13.2	9.4	8.0
SN SMOKE NICOTINE	MG/CIG	0.88	0.59	0.29	0.93	0.72	0.59
RATIO SN/TAR	%	6.7	7.9	11.3	7.0	7.7	7.4
PUFF COUNT	NO./CIG	8.1	7.3	7.2	8.3	9.8	7.4
CO CARBON MONOXIDE	MG/CIG	11.1	7.8	2.5	12.5	9.8	8.1
NO NITROGEN MONOXIDE	MG/CIG	0.15	0.10	0.05	0.18	0.14	0.12

F I L L E R

ALKALOIDS, TOTAL	%	1.81*	1.86	1.98	1.82	1.79	1.81
REDUCING SUGARS	%	7.1	8.1	9.5	8.6	9.1	8.6
NITRATE NITROGEN	%	0.19	0.20	0.20	0.22	0.21	0.22
AMMONIA NITROGEN	%	0.17	0.18	0.15	0.22	0.21	0.21
TOB. WT. AT 12.5 % OV	MG/CIG	731	650	556	735	814	647
DENSITY AT 12.5 % OV	MG/ML	240	239	205	241	238	238
OV AT EQUILIBRIUM	%	13.2	13.1	12.1	13.1	13.1	13.4

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	947	908	804	951	1086	905
CIG. LENGTH, TOTAL	MM	84	84	84	84	99	84
CIG. DIAMETER/CIRCUMFER.	MM	7.85/24.6	7.86/24.6	7.86/24.6	7.87/24.7	7.84/24.6	7.86/24.6
CIG. RTD	MM H2O	104	91	65	101	93	91
CIG. VENTILATION	%	23	43	70	25	45	41
FIRMNESS AS IS	MM	2.54	2.77	3.10	3.07	3.16	3.23
OVEN VOLATILES AS IS	%	12.2	12.3	12.9	12.6	12.6	12.8
FIRMNESS AT 12.5 % OV	MM	2.67	2.87	2.96	3.06	3.11	3.12
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE	S	S	S	S	S	S
FM FILTER MATERIAL	CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	21	28	28	21	28
FILTER-LENGTH PLUG 1	MM					
FILTER-LENGTH PLUG 2	MM					
FILTER-LENGTH PLUG 3	MM					
FA FIL.ADDITIVE TYPE						
FILTER WEIGHT	MG/FIL	160	209	205	161	208
FILTER RTD	MM H2O	67	83	84	69	82
FILTER EFFICIENCY	%					
TIPPING LENGTH ON CIG.	MM	25	32	32	25	32
TIPPING PAPER TYPE	IC	IC	IC	IC	IC	IC
TIPPING PERFO. TYPE	EPZ	EPZ	MLPS	EPZ	EPZ	EPZ
TIPPING, PERFO. LINES	NO.		5			

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SF

+ PME Brand () Converted values = PME specifications * Comments

2500077826

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+MARLBORO LIGHTS	+MARLBORO MENTHOL	+MARLBORO 100'S	+MULTI- FILTER
SF. FINLAND	PROD. CENTERS OR MANUFACTURER	ATO HYRYLA	ATO HYRYLA	ATO HYRYLA	ATO HYRYLA
	CIGARETTE CODE	MLL13	MM01	MHC13	MPK02
	SIZE/NS PER PACK	KS F/20	KS F/20	100 F/20	KS F/20
	SAMPLING CODE	A 00 4	A 00 4	A 00 3	A 00 2

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	9.3	16.9	13.8	15.2
DPM DRY.PARTIC.MATTER	MG/CIG	8.5	14.6	12.5	13.3
TAR (*TPM-SN-H2O)	MG/CIG	7.9	13.6	11.6	12.4
SN SMOKE NICOTINE	MG/CIG	0.60	0.94	0.84	0.95
RATIO SN/TAR	%	7.6	6.9	7.3	7.7
PUFF COUNT	NO./CIG	7.7	8.3	9.5	8.4
CO CARBON MONOXIDE	MG/CIG	8.5	12.7	12.9	13.3
NO NITROGEN MONOXIDE	MG/CIG	0.13	0.18	0.18	0.20

F I L L E R

ALKALOIDS, TOTAL	%	1.81	1.81	1.80	1.90
REDUCING SUGARS	%	8.5	9.0	8.8	8.1
NITRATE NITROGEN	%	0.21	0.21	0.21	0.22
AMMONIA NITROGEN	%	0.22	0.19	0.21	0.22
TOB. WT. AT 12.5 % OV	MG/CIG	662	734	816	735
DENSITY AT 12.5 % OV	MG/ML	244	240	238	242
OV AT EQUILIBRIUM	%	13.4	13.4	13.2	12.9

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	924	953	1087	1034
CIG. LENGTH, TOTAL	MM	84	84	99	84
CIG. DIAMETER/CIRCUMFER.	MM	7.87/24.7	7.87/24.7	7.84/24.6	7.84/24.6
CIG. RTD	MM H2O	93	100	106	112
CIG. VENTILATION	%	42	22	32	25
FIRMNESS AS IS	MM	2.95	2.91	3.02	2.85
OVEN VOLATILES AS IS	%	12.5	12.4	12.3	11.7
FIRMNESS AT 12.5 % OV	MM	2.97	2.96	3.11	3.19
CIG. PAP. VENTIL. SYST.					

F I L T E R

FILTER TYPE	S	S	S	D
FM FILTER MATERIAL	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	28	21	28
FILTER-LENGTH PLUG 1	MM			8.0
FILTER-LENGTH PLUG 2	MM			13.0
FILTER-LENGTH PLUG 3	MM			
FA FIL.ADDITIVE TYPE				AC
FILTER WEIGHT	MG/FIL	209	161	206
FILTER RTD	MM H2O	84	68	84
FILTER EFFICIENCY	%			
TIPPING LENGTH ON CIG.	MM	32	25	32
TIPPING PAPER TYPE		ICWHDL	IC	ICD
TIPPING PERFO. TYPE		EPZ	EPZ	EPZ
TIPPING, PERFO. LINES	NO.			

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SF

+ PME Brand () Converted values = PME specifications * Comments

2500077827

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+ARMADA 100 S GALION BERGEN OZ	+ARMADA 100 S MENTHOL BERGEN OZ	+BATTISTONI MUNICH	+CHESTER- FIELD FILTER LAURENS	+CHESTER- FIELD MUNICH	+CHESTER- FIELD BERGEN OZ
FR FRANCE	PROD. CENTERS OR MANUFACTURER						
	CIGARETTE CODE	ARH02	ARM02	BAB01	CEP04	CEG06	CEG12
	SIZE/NB PER PACK	100 F/20	100 F/20	KS F/20	KS F/20	KS F/20	KS F/20
	SAMPLING CODE	A 01 2	A 01 2	A 00 3	A 00 2	A 00 4	A 02 2

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	15.7	16.8	16.9	16.8	17.3	17.8
DPM DRY.PARTIC.MATTER	MG/CIG	14.3	15.5	14.4	14.5	14.8	15.5
TAR (=TPM-SN-H2O)	MG/CIG	13.4	14.6	13.5	13.6	13.8	14.6
SN SMOKE NICOTINE	MG/CIG	0.88	0.92	0.95	0.91	0.96	0.92
RATIO SN/TAR	%	6.6	6.3	7.1	6.7	7.0	6.3
PUFF COUNT	NO./CIG	8.5	9.4	8.4	7.8	8.3	8.2
CO CARBON MONOXIDE	MG/CIG	12.9	14.0	13.1	12.8	13.7	14.3
NO NITROGEN MONOXIDE	MG/CIG	0.11	0.13	0.17	0.15	0.16	0.17

F I L L E R

ALKALOIDS, TOTAL	%	1.64	1.65	0.90	1.79	1.86	1.82
REDUCING SUGARS	%	9.8	10.2	4.5	7.4	6.4	7.6
NITRATE NITROGEN	%	0.14	0.14	0.10	0.20	0.17	0.17
AMMONIA NITROGEN	%		0.09	0.19	0.19	0.18	0.16
TOB. WT. AT 12.5 % OV	MG/CIG	818	848	782	719	752	747
DENSITY AT 12.5 % OV	MG/ML	232	240	252	236	244	243
OV AT EQUILIBRIUM	%	12.8	12.9	13.7	13.4	13.5	14.2

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	1082	1113	1000	936	969	972
CIG. LENGTH, TOTAL	MM	98	98	84	84	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.85/24.6	7.86/24.6	7.92/24.8	7.90/24.8	7.90/24.8	7.89/24.7
CIG. RTD	MM H2O	112	110	101	105	102	100
CIG. VENTILATION	%	19	26	16	15	13	16
FIRMNESS AS IS	MM			3.02	2.67	2.84	2.95
OVEN VOLATILES AS IS	%			13.0	12.2	12.7	12.9
FIRMNESS AT 12.5 % OV	MM			2.82	2.81	2.76	2.79
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE		S	S	S	S	S	S
FM FILTER MATERIAL		CA	CA	CA	CA	CA	CA
FILTER LENGTH,TOTAL	MM	25	25	21	22	21	21
FILTER-LENGTH PLUG 1	MM						
FILTER-LENGTH PLUG 2	MM						
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	203	203	160	160	158	159
FILTER RTD	MM H2O	63	63	64	61	63	60
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	29	29	25	26	25	25
TIPPING PAPER TYPE		ICD	WHGRD	ICD	IC	IC	IC
TIPPING PERFO. TYPE		EPZ	EPZ	EPZ	EPZ	EPZ	EPZ
TIPPING,PERFO. LINES	NO.						

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FR

+ PME Brand () Converted values = PME specifications * Comments

2500077828

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+CHESTER- FIELD LIGHTS MUNICH	+FORTUNA MUNICH	+MARLBORO K.S.	+MARLBORO KING SIZE	+MARLBORO KING SIZE	+MARLBORO KING SIZE
FR:FRANCE	PROD. CENTERS OR MANUFACTURER			IXELLES	BERGEN OZ	BERLIN	MUNICH
	CIGARETTE CODE	CEN02	FOR01	MLB15	MLB20	MLK40	MLK40
	SIZE/NB PER PACK	KS F/20	KS F/20	KS F/20	KS F/20	KS F/20	KS F/20
	SAMPLING CODE	A 00 3	A 00 4	A 00 4	A 00 4	A 00 4	A 00 4

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	9.0	16.7	18.5	17.9	17.1	17.5
DPH DRY.PARTIC.MATTER	MG/CIG	8.2	14.6	15.9	15.3	14.7	14.9
TAR (=TPM-SN-H2O)	MG/CIG	7.7	13.7	14.9	14.4	13.8	14.0
SN SMOKE NICOTINE	MG/CIG	0.58	0.94	0.96	0.90	0.97	0.96
RATIO SN/TAR	%	7.6	6.9	6.4	6.2	7.0	6.9
PUFF COUNT	NO./CIG	7.8	8.4	8.1	8.1	8.4	8.6
CO CARBON MONOXIDE	MG/CIG	8.8	14.4	14.6	14.0	13.8	14.1
NO NITROGEN MONOXIDE	MG/CIG	0.10	0.18	0.21	0.20	0.20	0.20

F I L L E R

ALKALOIDS, TOTAL	%	1.81	1.80	1.82	1.82	1.87	1.84
REDUCING SUGARS	%	8.6	9.4	8.0	7.8	5.9	6.2
NITRATE NITROGEN	%	0.17	0.19	0.20	0.20	0.21	0.20
AMMONIA NITROGEN	%	0.17	0.15	0.25	0.24	0.27	0.26
TOB. WT. AT 12.5 % OV	MG/CIG	689	766	746	752	768	768
DENSITY AT 12.5 % OV	MG/ML	239	247	242	242	250	250
OV AT EQUILIBRIUM	%	13.1	13.7	14.0	14.2	13.6	13.7

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	953	985	973	979	990	995
CIG. LENGTH, TOTAL	MM	84	84	84	84	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.88/24.7	7.91/24.8	7.90/24.8	7.92/24.8	7.89/24.7	7.88/24.7
CIG. RTD	MM H2O	107	101	108	107	106	109
CIG. VENTILATION	%	35	12	12	14	13	13
FIRMNESS AS IS	MM	2.77	2.83	2.83	2.80	2.73	2.73
OVEN VOLATILES AS IS	%	12.8	12.4	12.8	12.7	12.5	12.5
FIRMNESS AT 12.5 % OV	MM	2.66	2.89	2.71	2.71	2.72	2.72
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE	S	S	S	S	S	S
FM FILTER MATERIAL	CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	25	21	21	21	21
FILTER-LENGTH PLUG 1	MM					
FILTER-LENGTH PLUG 2	MM					
FILTER-LENGTH PLUG 3	MM					
FA FIL.ADDITIVE TYPE						
FILTER WEIGHT	MG/FIL	205	158	163	162	164
FILTER RTD	MM H2O	92	63	69	69	69
FILTER EFFICIENCY	%					
TIPPING LENGTH ON CIG.	MM	32	25	25	25	25
TIPPING PAPER TYPE	ICWHDL	IC	IC	IC	IC	IC
TIPPING PERFO. TYPE	EPZ	EPZ	EPZ	EPZ	EPZ	EPZ
TIPPING, PERFO. LINES	NO.					

33.440

DATE 09/07/92 TIME 11.25

FR

+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+MARLBORO LIGHTS 100'S	+MARLBORO LIGHTS	+MARLBORO MENTHOL LIGHTS	+MARLBORO 100'S	+MERIT	+MULTI- FILTER 100'S
FR-FRANCE	PROD. CENTERS OR MANUFACTURER	BERGEN OZ	BERGEN OZ	MUNICH	BERGEN OZ	MUNICH	MUNICH
	CIGARETTE CODE	MHX06	MLX01	MLI05	MLH01	MER14	MPH15
	SIZE/NB PER PACK	100 F/20	KS F/20	KS F/20	100 F/20	KS F/20	100 F/20
	SAMPLING CODE	A 00 4	A 00 4	A 01 3	A 00 4	A 00 3	A 00 3

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	11.7	10.1	9.7	18.2	8.1	10.4
DPM DRY.PARTIC.MATTER	MG/CIG	10.7	9.2	8.7	16.2	7.2	9.6
TAR (=TPM-SN-H2O)	MG/CIG	10.0	8.6	8.2	15.2	6.7	8.8
SN SMOKE NICOTINE	MG/CIG	0.72	0.60	0.55	1.01	0.52	0.75
RATIO SN/TAR	%	7.3	7.0	6.7	6.7	7.8	8.5
PUFF COUNT	NO./CIG	9.8	7.6	7.8	9.7	7.9	10.0
CO CARBON MONOXIDE	MG/CIG	10.5	9.8	9.0	14.1	8.9	10.8
NO NITROGEN MONOXIDE	MG/CIG	0.16	0.14	0.12	0.21	0.15	0.10

F I L L E R

ALKALOIDS, TOTAL	%	1.84	1.83	1.70	1.82	1.84	1.65
REDUCING SUGARS	%	8.2	7.9	4.7	8.0	7.9	11.9
NITRATE NITROGEN	%	0.20	0.20	0.19	0.21	0.25	0.14
AMMONIA NITROGEN	%	0.24	0.24	0.13	0.25	0.19	0.09
TOB. WT. AT 12.5 % OV	MG/CIG	875	702	713	879	694	827
DENSITY AT 12.5 % OV	MG/ML	245	242	246	247	241	231
OV AT EQUILIBRIUM	%	14.2	14.2	13.7	14.3	13.9	12.0

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	1154	970	975	1153	969	1145
CIG. LENGTH, TOTAL	MM	98	84	84	98	84	98
CIG. DIAMETER/CIRCUMFER.	MM	7.89/24.7	7.92/24.8	7.91/24.8	7.87/24.7	7.90/24.8	7.87/24.7
CIG. RTD	MM H2O	110	107	112	114	121	122
CIG. VENTILATION	%	40	36	30	20	35	38
FIRMNESS AS IS	MM	2.91	2.95	2.77	2.81	2.59	2.62
OVEN VOLATILES AS IS	%	12.9	12.9	12.8	12.8	12.5	11.8
FIRMNESS AT 12.5 % OV	MM	2.74	2.80	2.65	2.69	2.61	2.88
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE	S	S	S	S	S	D
FM FILTER MATERIAL	CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	25	25	25	25	25
FILTER-LENGTH PLUG 1	MM					12.0
FILTER-LENGTH PLUG 2	MM					13.0
FILTER-LENGTH PLUG 3	MM					
FA FIL.ADDITIVE TYPE						AC
FILTER WEIGHT	MG/FIL	201	203	201	198	211
FILTER RTD	MM H2O	96	95	98	71	114
FILTER EFFICIENCY	%					
TIPPING LENGTH ON CIG.	MM	32	32	32	29	32
TIPPING PAPER TYPE	ICWHDL	ICWHDL	WHDL	ICD	ICWHDL	WHDL
TIPPING PERFO. TYPE	EPZ	EPZ	MLPS	EPZ	EPZ	MLPS
TIPPING, PERFO. LINES	NO.			4		4

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+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+MURATTI AMBASSADOR EXTRA M. IXELLES	+MURATTI AMBASSADOR IXELLES	+PHILIP MORRIS 100 SUPER L. BERGEN OZ	+PHILIP MORRIS 100 ULTRA L. MUNICH	+PHILIP MORRIS MUNICH	+PHILIP MORRIS LIGHTS BERGEN OZ
FR FRANCE	PROD. CENTERS OR MANUFACTURER						
	CIGARETTE CODE	MAC14	MAJ03	PHS02	PHU01	PMB03	PML04
	SIZE/NB PER PACK	KS F/20	KS F/20	100 F/20	100 F/20	KS F/20	KS F/20
	SAMPLING CODE	B 00 4	A 00 4	A 01 2	A 00 3	A 00 4	A 00 4

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	7.5	10.4	4.5	3.3	17.6	10.1
DPM DRY.PARTIC.MATTER	MG/CIG	6.9	9.5	4.2	3.0	14.9	9.1
TAR (=TPM-SN-H2O)	MG/CIG	6.4	8.9	3.9	2.7	14.0	8.5
SN SMOKE NICOTINE	MG/CIG	0.51	0.66	0.31	0.28	0.96	0.60
RATIO SN/TAR	%	8.0	7.5	8.1	10.3	6.9	7.1
PUFF COUNT	NO./CIG	7.5	7.9	9.4	8.6	8.5	7.7
CO CARBON MONOXIDE	MG/CIG	6.8	9.6	4.3	3.1	14.6	9.3
NO NITROGEN MONOXIDE	MG/CIG	0.07	0.10	0.06	0.05	0.20	0.14

F I L L E R

ALKALOIDS, TOTAL	%	1.65	1.65	2.06	2.55	1.82	1.81
REDUCING SUGARS	%	10.7	10.9	9.1	10.7	6.1	8.1
NITRATE NITROGEN	%	0.13	0.13	0.18	0.17	0.21	0.21
AMMONIA NITROGEN	%	0.09	0.08	0.13	0.14	0.25	0.24
TOB. WT. AT 12.5 % OV	MG/CIG	645	702	815	740	769	703
DENSITY AT 12.5 % OV	MG/ML	224	228	229	211	248	242
OV AT EQUILIBRIUM	%	12.5	12.7	14.0	12.2	13.6	14.3

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	970	998	1106	1034	999	970
CIG. LENGTH, TOTAL	MM	84	84	98	98	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.89/24.7	7.89/24.7	7.88/24.7	7.84/24.6	7.92/24.8	7.92/24.8
CIG. RTD	MM H2O	91	104	100	78	108	106
CIG. VENTILATION	%	48	36	69	67	12	37
FIRMNESS AS IS	MM	2.38	2.28	2.95	3.38	2.92	2.86
OVEN VOLATILES AS IS	%	11.8	11.6	13.1	12.1	12.7	12.7
FIRMNESS AT 12.5 % OV	MM	2.68	2.64	2.71	3.53	2.83	2.80
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE		D	D	S	D	S	S
FM FILTER MATERIAL		CA	CA	CA	CAP	CA	CA
FILTER LENGTH, TOTAL	MM	25	21	25	25	21	25
FILTER-LENGTH PLUG 1	MM	13.0	8.0		17.0		
FILTER-LENGTH PLUG 2	MM	12.0	13.0		8.0		
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE		AC	AC				
FILTER WEIGHT	MG/FIL	276	244	210	229	164	202
FILTER RTD	MM H2O	84	78	118	108	69	96
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	29	25	36	36	25	32
TIPPING PAPER TYPE		WHGRD	WHGRD	ICWHDL	ICWHDL	IC	ICWHDL
TIPPING PERFO. TYPE		MLPS	MLPS	MLPS	MLPS	EPZ	EPZ
TIPPING, PERFO. LINES	NO.	3	2	6	6		

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CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+PHILIP MORRIS SUPER L. MUNICH	+PHILIP MORRIS ULTRA LGTS MUNICH
FR- FRANCE	PROD. CENTERS OR MANUFACTURER		
	CIGARETTE CODE	PMS01	PMU08
	SIZE/NB PER PACK	KS F/20	KS F/20
	SAMPLING CODE	A 00 2	A 00 4

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	4.0	2.7
DPM DRY.PARTIC.MATTER	MG/CIG	3.7	2.5
TAR (=TPM-SN-H2O)	MG/CIG	3.4	2.3
SN SMOKE NICOTINE	MG/CIG	0.28	0.23
RATIO SN/TAR	%	8.2	9.8
PUFF COUNT	NO./CIG	8.2	7.4
CO CARBON MONOXIDE	MG/CIG	4.9	2.7
NO NITROGEN MONOXIDE	MG/CIG	0.07	0.04

F I L L E R

ALKALOIDS, TOTAL	%	1.94	2.54
REDUCING SUGARS	%	9.6	8.4
NITRATE NITROGEN	%	0.19	0.15
AMMONIA NITROGEN	%	0.15	0.14
TOB. WT. AT 12.5 % OV	MG/CIG	648	598
DENSITY AT 12.5 % OV	MG/ML	223	208
OV AT EQUILIBRIUM	%	13.5	12.5

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	924	883
CIG. LENGTH, TOTAL	MM	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.92/24.8	7.89/24.7
CIG. RTD	MM H2O	99	79
CIG. VENTILATION	%	60	66
FIRMNESS AS IS	MM	2.97	2.91
OVEN VOLATILES AS IS	%	12.8	11.8
FIRMNESS AT 12.5 % OV	MM	2.85	3.21
CIG. PAP. VENTIL. SYST.			

F I L T E R

FILTER TYPE	S	D
FM FILTER MATERIAL	CA	CAP
FILTER LENGTH, TOTAL	MM	25
FILTER-LENGTH PLUG 1	MM	16.0
FILTER-LENGTH PLUG 2	MM	9.0
FILTER-LENGTH PLUG 3	MM	
FA FIL.ADDITIVE TYPE		
FILTER WEIGHT	MG/FIL	217
FILTER RTD	MM H2O	119
FILTER EFFICIENCY	%	
TIPPING LENGTH ON CIG.	MM	32
TIPPING PAPER TYPE	ICWHDL	ICWHDL
TIPPING PERFO. TYPE	MLPS	MLPS
TIPPING, PERFO. LINES	NO.	4

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+ PME Brand () Converted values = PME specifications * Comments

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CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	BENSON & HEDGES	CABINET WURZIG 100'S	CABINET WURZIG	CAMEL	CAMEL LIGHTS	+CHESTER-FIELD
DE GERM. WEST	PROD. CENTERS OR MANUFACTURER	BAT DB	REEMTSMA	REEMTSMA	REYNOLDS	REYNOLDS	MUNICH
	CIGARETTE CODE	BNFMC	CNGAC	CNJAC	CAKFC	CAMAC	CEG06
	SIZE/MB PER PACK	KS F/19	100 F/19	KS F/19	KS F/19	KS F/19	KS F/20
	SAMPLING CODE	B 01 2	B 01 1	B 00 4	A 00 4	B 01 2	A 00 4
S M O K E							
TPM TOT.PARTIC.MATTER	MG/CIG	15.8	20.0	20.7	16.0	7.0	17.3
DPH DRY.PARTIC.MATTER	MG/CIG	13.9	16.8	17.9	13.9	6.4	14.8
TAR (-TPM-SN-H2O)	MG/CIG	13.0	15.5	16.8	12.9	5.9	13.8
SN SMOKE NICOTINE	MG/CIG	0.93	1.26	1.13	0.98	0.47	0.96
RATIO SN/TAR	%	7.2	8.1	6.7	7.6	8.0	7.0
PUFF COUNT	NO./CIG	8.1	9.2	8.6	8.3	8.7	8.3
CO CARBON MONOXIDE	MG/CIG	14.8	16.8	16.3	12.0	6.9	13.7
NO NITROGEN MONOXIDE	MG/CIG	0.15	0.26	0.20	0.20	0.13	0.16
F I L L E R							
ALKALOIDS, TOTAL	%	1.73	1.94	1.66	1.88	1.71	1.86
REDUCING SUGARS	%	9.4	8.6	11.3	9.2	10.5	6.4
NITRATE NITROGEN	%	0.18	0.24	0.19	0.23	0.27	0.17
AMMONIA NITROGEN	%	0.07	0.15	0.13	0.14	0.13	0.18
TOB. WT. AT 12.5 % OV	MG/CIG	808	816	749	772	749	752
DENSITY AT 12.5 % OV	MG/ML	256	218	239	247	239	244
OV AT EQUILIBRIUM	%	12.8	12.6	12.7	12.5	12.9	13.5
C I G A R E T T E							
CIG. WEIGHT, TOTAL	MG/CIG	1024	1047	959	990	973	969
CIG. LENGTH, TOTAL	MM	84	100	84	84	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.99/25.0	7.97/25.0	7.96/24.9	7.94/24.9	7.96/24.9	7.90/24.8
CIG. RTD	MM H2O	112	123	95	98	111	102
CIG. VENTILATION	%	10	9	16	16	47	13
FIRMNESS AS IS	MM	2.92	2.77	2.80	3.20	2.75	2.84
OVEN VOLATILES AS IS	%	12.9	12.7	13.1	13.4	12.9	12.7
FIRMNESS AT 12.5 % OV	MM	2.76	2.69	2.57	2.86	2.61	2.76
CIG. PAP. VENTIL. SYST.							
F I L T E R							
FILTER TYPE	S	S	S	S	S	S	S
FM FILTER MATERIAL	CA	CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	21	25	21	21	21	21
FILTER-LENGTH PLUG 1	MM						
FILTER-LENGTH PLUG 2	MM						
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	162	180	161	165	167	158
FILTER RTD	MM H2O	72	64	49	66	109	63
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	25	29	25	25	25	25
TIPPING PAPER TYPE	IC	IC	IC	IC	IC	IC	IC
TIPPING PERFO. TYPE	EPZ	EPZ	EPZ	EPZ	EPZ	EPZ	EPZ
TIPPING, PERFO. LINES	NO.					1	

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+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	CLUB	ERTE 23	+EVE 120 LIGHTS	+F 6	+F6 100'S	GAULOISES BLONDES
DB, GERM. WEST	PROD. CENTERS OR MANUFACTURER	REYNOLDS	REEMTSMA	MB BERLIN	DRESDEN	DRESDEN	BAT DB
	CIGARETTE CODE	CUBAC	ERBAC	EVL02	FFF01	PFG01	GRAJC
	SIZE/MB PER PACK	KS F/20	KS F/19	120 F/19	LS F/20	100 F/19	KS F/19
	SAMPLING CODE	B 00 3	B 01 2	A 00 4	A 00 4	A 00 3	B 00 2

S M O K E

TPM TOT. PARTIC. MATTER	MG/CIG	18.7	14.2	10.9	22.7	17.5	17.4
DPH DRY. PARTIC. MATTER	MG/CIG	15.5	12.7	10.3	19.4	15.7	14.0
TAR (=TPM-SN-H2O)	MG/CIG	14.6	11.9	9.7	18.3	14.6	13.1
SN SMOKE NICOTINE	MG/CIG	0.95	0.76	0.64	1.10	1.11	0.90
RATIO SN/TAR	%	6.6	6.4	6.6	6.0	7.6	6.9
PUFF COUNT	NO./CIG	8.2	8.1	9.5	8.7	9.8	7.7
CO CARBON MONOXIDE	MG/CIG	15.1	12.7		16.4		14.7
NO NITROGEN MONOXIDE	MG/CIG	0.28	0.15		0.11		0.21

F I L L E R

ALKALOIDS, TOTAL	%	1.77	1.46	0.70	1.56	1.49	1.66
REDUCING SUGARS	%	8.0	11.0	6.5	9.4	13.2	8.4
NITRATE NITROGEN	%	0.24	0.19	0.10	0.10	0.09	0.26
AMMONIA NITROGEN	%	0.17	0.12	0.12	0.07	0.06	0.10
TOB. WT. AT 12.5 % OV	MG/CIG	762	761	750	873	912	777
DENSITY AT 12.5 % OV	MG/ML	244	245	244	257	251	246
OV AT EQUILIBRIUM	%	12.3	12.8	12.5	14.1	11.7	13.2

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	970	972	1018	1035	1143	991
CIG. LENGTH, TOTAL	MM	84	84	120	80	100	84
CIG. DIAMETER/CIRCUMFER.	MM	7.95/24.9	7.94/24.9	6.81/21.3	7.98/25.0	7.85/24.6	7.93/24.9
CIG. RTD	MM H2O	113	98	123	81	91	118
CIG. VENTILATION	%		20	33		14	
FIRMNESS AS IS	MM	3.30	3.33				2.93
OVEN VOLATILES AS IS	%	13.3	13.4				12.9
FIRMNESS AT 12.5 % OV	MM	3.00	2.97				2.79
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE		S	S	S	S	S	S
FM FILTER MATERIAL		CA	CA	CA	CA	CA	CA
FILTER LENGTH,TOTAL	MM	21	21	35	12	25	20
FILTER-LENGTH PLUG 1	MM						
FILTER-LENGTH PLUG 2	MM						
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	163	158	217	93	188	157
FILTER RTD	MM H2O	69	59	64	37	54	61
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	25	25	40	16	29	24
TIPPING PAPER TYPE		IC	IC	WHD	IC	ICD	IC
TIPPING PERFO. TYPE			EPZ	EPZ		EPZ	
TIPPING,PERFO. LINES	NO.						

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+ PME Brand () Converted values = PME specifications * Comments

2500077834

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	GOLDEN AMERICAN	GOLDEN AMERICAN 100'S	HB	HB LIGHTS	+JUWEL	+JUWEL 72
DB GERM. WEST	PROD. CENTERS OR MANUFACTURER	TURMAC INT	BRINKMANN	BAT DB	BAT DB	DRESDEN	DRESDEN
	CIGARETTE CODE	GNXBC	GOHAC	HBKAC	HBKAC	JUW10	JUV01
	SIZE/NB PER PACK	KS F/25	100 F/19	KS F/19	KS F/19	LS F/19	KS F/
	SAMPLING CODE	B 00 4	B 03 1	A 00 4	B 03 1	A 00 4	A 00 3
S M O K E							
TPM TOT.PARTIC.MATTER	MG/CIG	17.6	17.1	14.9	6.5	22.2	18.2
DPM DRY.PARTIC.MATTER	MG/CIG	15.0	15.2	13.3	6.0	18.9	15.2
TAR (=TPM-SN-H2O)	MG/CIG	14.1	14.2	12.5	5.5	17.8	14.2
SN SMOKE NICOTINE	MG/CIG	0.97	1.04	0.79	0.47	1.12	0.97
RATIO SN/TAR	%	6.9	7.3	6.4	8.5	6.3	6.8
PUFF COUNT	NO./CIG	7.9	9.6	8.3	8.1	8.3	7.7
CO CARBON MONOXIDE	MG/CIG	13.4		13.2		16.1	
NO NITROGEN MONOXIDE	MG/CIG	0.17		0.15		0.19	
F I L L E R							
ALKALOIDS, TOTAL	%	1.62	1.69	1.62	1.84	1.69	1.02
REDUCING SUGARS	%	10.1	9.5	8.4	8.0	6.8	4.6
NITRATE NITROGEN	%	0.20	0.22	0.20	0.33	0.17	0.07
AMMONIA NITROGEN	%	0.12	0.13	0.14	0.20	0.15	0.05
TOB. WT. AT 12.5 % OV	MG/CIG	747	882	757	705	840	754
DENSITY AT 12.5 % OV	MG/ML	244	241	240	224	247	244
OV AT EQUILIBRIUM	%	12.6	12.7	12.7	13.0	13.3	13.0
C I G A R E T T E							
CIG. WEIGHT, TOTAL	MG/CIG	965	1147	972	934	991	976
CIG. LENGTH, TOTAL	MM	84	100	84	84	80	84
CIG. DIAMETER/CIRCUMFER.	MM	7.93/24.9	7.89/24.7	7.98/25.0	7.98/25.0	7.98/25.0	7.90/24.8
CIG. RTD	MM H2O	101	123	90	90	81	100
CIG. VENTILATION	%			23	51		
FIRMNESS AS IS	MM	3.28		3.07			
OVEN VOLATILES AS IS	%	13.5		13.2			
FIRMNESS AT 12.5 % OV	MM	2.89		2.80			
CIG. PAP. VENTIL. SYST.							
F I L T E R							
FILTER TYPE	S	S	S	S	S	S	S
FM FILTER MATERIAL	CA	CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	22	25	21	21	12	21
FILTER-LENGTH PLUG 1	MM						
FILTER-LENGTH PLUG 2	MM						
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	168	205	161	174	94	171
FILTER RTD	MM H2O	50	62	57	87	39	55
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	26	29	25	25	16	25
TIPPING PAPER TYPE	IC	IC	IC	IC	IC	IC	IC
TIPPING PERFO. TYPE				EPZ	MLPS		
TIPPING, PERFO. LINES	NO.				4		

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+ PME Brand () Converted values = PME specifications * Comments

2500077835

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+KARO	+KARO	KIM	+L & M	+L & M	+L & M
DB GERM. WEST	PROD. CENTERS OR MANUFACTURER	DRESDEN	DRESDEN	BAT DB	MUNICH	BERLIN	MUNICH
	CIGARETTE CODE	KAF01	KAR02	KIHAC	LMF04	LMK07	LMK07
	SIZE/NB PER PACK	KS F/	REG N/19	100 F/19	KS F/19	KS F/19	KS F/20
	SAMPLING CODE	A 00 2	A 00 4	B 00 2	A 00 3	A 00 4	A 00 2

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	17.9	20.3	8.6	16.8	15.2	15.5
DPM DRY.PARTIC.MATTER	MG/CIG	15.6	17.8	8.0	14.4	13.2	13.3
TAR (=TPM-SN-H2O)	MG/CIG	14.5	16.3	7.5	13.4	12.3	12.4
SN SMOKE NICOTINE	MG/CIG	1.06	1.46	0.52	0.94	0.84	0.88
RATIO SN/TAR	%	7.3	8.9	7.0	7.1	6.9	7.1
PUFF COUNT	NO./CIG	8.6	6.8	8.4	8.3	8.2	8.3
CO CARBON MONOXIDE	MG/CIG	14.4	12.7	8.8	14.0	12.2	
NO NITROGEN MONOXIDE	MG/CIG	0.39	0.41	0.09	0.16	0.15	

F I L L E R

ALKALOIDS, TOTAL	%	1.81	2.11	1.32	1.85	1.67	1.71
REDUCING SUGARS	%	9.9	1.6	10.2	8.2	6.3	8.4
NITRATE NITROGEN	%	0.14	0.47	0.18	0.18	0.17	0.18
AMMONIA NITROGEN	%	0.20	0.45	0.15	0.19	0.17	0.18
TOB. WT. AT 12.5 % OV	MG/CIG	797	913	713	751	731	737
DENSITY AT 12.5 % OV	MG/ML	259	255	239	243	240	242
OV AT EQUILIBRIUM	%	13.3	11.7	12.8	13.9	13.5	13.0

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	1012	956	945	969	946	948
CIG. LENGTH, TOTAL	MM	84	72	94	84	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.90/24.8	7.97/25.0	7.41/23.2	7.90/24.8	7.84/24.6	7.85/24.6
CIG. RTD	MM H2O	106	50	125	102	100	101
CIG. VENTILATION	%	13		32	14	19	19
FIRMNESS AS IS	MM			2.52	2.86	2.94	2.94
OVEN VOLATILES AS IS	%			11.1	12.8	12.7	12.8
FIRMNESS AT 12.5 % OV	MM			3.08	2.74	2.86	2.82
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE	S		S	S	S	S
FM FILTER MATERIAL	CA		CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	21	25	21	21	21
FILTER-LENGTH PLUG 1	MM					
FILTER-LENGTH PLUG 2	MM					
FILTER-LENGTH PLUG 3	MM					
FA FIL.ADDITIVE TYPE						
FILTER WEIGHT	MG/FIL	166	181	162	161	158
FILTER RTD	MM H2O	70	100	62	64	62
FILTER EFFICIENCY	%					
TIPPING LENGTH ON CIG.	MM	25	28	25	25	25
TIPPING PAPER TYPE	IC		WHD	IC	IC	IC
TIPPING PERFO. TYPE	EPZ		EPZ	EPZ	EPZ	EPZ
TIPPING,PERFO. LINES	NO.					

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+ PME Brand () Converted values = PME specifications * Comments

2500077836

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+L & M LIGHTS	+L & M 100 S	LORD EXTRA	LUCKY STRIKE	+MARLBORO KING SIZE	+MARLBORO KING SIZE
DB, GERM. WEST	PROD. CENTERS OR MANUFACTURER	MUNICH	BERLIN	BRINKMANN	BAT DB	BERLIN	MUNICH
	CIGARETTE CODE	LMD01	LMX01	LDBAC	LSBBC	MLK37	MLK37
	SIZE/NB PER PACK	KS F/19	100 F/19	KS F/19	KS F/19	KS F/20	KS F/19
	SAMPLING CODE	A 00 3	A 00 4	A 00 4	B 00 4	A 00 4	A 01 3

S M O K E

TPM TOT. PARTIC. MATTER	MG/CIG	6.0	12.2	9.3	15.2	16.0	15.9
DPM DRY. PARTIC. MATTER	MG/CIG	5.3	11.0	8.5	13.2	13.8	13.8
TAR (=TPM-SM-H2O)	MG/CIG	4.9	10.2	8.0	12.3	12.9	12.9
SN SMOKE NICOTINE	MG/CIG	0.44	0.75	0.58	0.90	0.91	0.91
RATIO SN/TAR	%	9.0	7.3	7.3	7.4	7.1	7.1
PUFF COUNT	NO./CIG	8.2	10.3	8.7	8.1	8.2	8.6
CO CARBON MONOXIDE	MG/CIG	5.8	11.6	10.5	14.2	13.2	
NO NITROGEN MONOXIDE	MG/CIG	0.08	0.14	0.12	0.18	0.18	

F I L L E R

ALKALOIDS, TOTAL	%	2.12	1.70	1.14	1.86	1.85	1.78
REDUCING SUGARS	%	9.1	5.3	11.1	8.9	6.6	4.3
NITRATE NITROGEN	%	0.16	0.17	0.18	0.21	0.20	0.20
AMMONIA NITROGEN	%	0.13	0.17	0.11	0.18	0.18	0.17
TOB. WT. AT 12.5 % OV	MG/CIG	650	867	762	767	766	772
DENSITY AT 12.5 % OV	MG/ML	225	239	248	245	249	251
OV AT EQUILIBRIUM	%	13.3	13.3	12.5	12.5	13.4	13.9

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	921	1127	980	980	986	996
CIG. LENGTH, TOTAL	MM	84	100	84	84	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.89/24.7	7.85/24.6	7.94/24.9	7.95/24.9	7.90/24.8	7.88/24.7
CIG. RTD	MM H2O	111	119	108	114	96	102
CIG. VENTILATION	%	49	30	34	14	16	16
FIRMNESS AS IS	MM	2.89	2.92	2.94	3.33	2.82	2.89
OVEN VOLATILES AS IS	%	12.8	12.8	12.9	13.3	12.4	12.4
FIRMNESS AT 12.5 % OV	MM	2.77	2.82	2.77	3.03	2.85	2.95
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE	S	S	S	S	S	S
FM FILTER MATERIAL	CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	25	25	22	21	21
FILTER-LENGTH PLUG 1	MM					
FILTER-LENGTH PLUG 2	MM					
FILTER-LENGTH PLUG 3	MM					
FA FIL. ADDITIVE TYPE						
FILTER WEIGHT	MG/FIL	214	197	171	164	160
FILTER RTD	MM H2O	120	93	86	73	63
FILTER EFFICIENCY	%					
TIPPING LENGTH ON CIG.	MM	32	29	25	25	25
TIPPING PAPER TYPE	ICWHD	ICD	IC	IC	IC	IC
TIPPING PERFO. TYPE	EPZ	EPZ	EPZ	EPZ	EPZ	EPZ
TIPPING, PERFO. LINES	NO.					

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+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+MARLBORO LIGHTS 100'S	+MARLBORO LIGHTS	+MARLBORO LIGHTS	+MARLBORO MENTHOL LIGHTS	+MARLBORO MENTHOL	+MARLBORO MENTHOL
DB GERM. WEST	PROD. CENTERS OR MANUFACTURER	BERLIN	BERLIN	MUNICH	MUNICH	BERLIN	MUNICH
	CIGARETTE CODE	MHL01	MLX12	MLX12	MLI01	MLN05	MLN05
	SIZE/NB PER PACK	100 F/19	KS F/19	KS F/19	KS F/19	KS F/20	KS F/20
	SAMPLING CODE	A 00 4	A 00 4	A 00 3	A 02 1	A 00 3	A 00 4

S M O K E

TPM TOT. PARTIC. MATTER	MG/CIG	7.7	5.8	6.2	6.6	16.4	16.8
DPM DRY. PARTIC. MATTER	MG/CIG	7.1	5.3	5.6	6.1	14.3	14.6
TAR (=TPM-SN-H2O)	MG/CIG	6.6	4.9	5.2	5.6	13.4	13.7
SN SMOKE NICOTINE	MG/CIG	0.57	0.42	0.46	0.47	0.90	0.93
RATIO SN/TAR	%	8.7	8.7	8.9	8.3	6.7	6.8
PUFF COUNT	NO./CIG	10.1	7.9	8.0	8.1	8.3	8.4
CO CARBON MONOXIDE	MG/CIG	7.3	5.6		6.0	13.2	12.8
NO NITROGEN MONOXIDE	MG/CIG	0.09	0.07		0.08	0.18	0.18

F I L L E R

ALKALOIDS, TOTAL	%	2.03	2.12	1.04	2.19	1.86	1.80
REDUCING SUGARS	%	6.8	7.0	4.8	9.6	8.7	7.0
NITRATE NITROGEN	%	0.18	0.14	0.08	0.13	0.20	0.20
AMMONIA NITROGEN	%	0.15	0.13	0.15	0.12	0.17	0.17
TOB. WT. AT 12.5 % OV	MG/CIG	816	649		657	768	773
DENSITY AT 12.5 % OV	MG/ML	226	225		230	249	250
OV AT EQUILIBRIUM	%	13.2	13.3	13.8	13.5	13.9	13.4

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	1094	924		932	989	995
CIG. LENGTH, TOTAL	MM	100	84	84	84	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.83/24.5	7.89/24.7	7.90/24.8	7.86/24.6	7.90/24.8	7.90/24.8
CIG. RTD	MM H2O	114	111	113	118	99	103
CIG. VENTILATION	%	50	50	49	48	16	15
FIRMNESS AS IS	MM	2.93	2.65		2.75	2.94	2.91
OVEN VOLATILES AS IS	%	11.9	12.4		12.6	13.1	12.9
FIRMNESS AT 12.5 % OV	MM	3.17	2.69		2.71	2.72	2.77
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE		S	S	S	S	S	S
FM FILTER MATERIAL		CA	CA	CA	CA	CA	CA
FILTER LENGTH,TOTAL	MM	25	25	25	25	21	21
FILTER-LENGTH PLUG 1	MM						
FILTER-LENGTH PLUG 2	MM						
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	213	219	215	216	159	161
FILTER RTD	MM H2O	112	121	116	119	64	65
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	32	32	32	32	25	25
TIPPING PAPER TYPE		ICWHDL	ICWHDL	ICWHDL	WHDL	IC	IC
TIPPING PERFO. TYPE		EPZ	EPZ	EPZ	MLPS	EPZ	EPZ
TIPPING,PERFO. LINES	NO.				4		

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+ PME Brand () Converted values = PME specifications * Comments

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+MARLBORO 100'S	+MERIT	+MULTI DE LUXE MUNICH	PALL MALL	+PARLIAMENT LIGHTS 100'S	PETER STUYVESANT
DB GERM. WEST	PROD. CENTERS OR MANUFACTURER	BERLIN	MUNICH		BAT DB	MUNICH	REEMTSMA
	CIGARETTE CODE	MHC09	MER14	MPI04	PBLAC	PLC01	PSKBC
	SIZE/NB PER PACK	100 F/19	KS F/20	100 F/19	KS F/19	100 F/19	KS F/19
	SAMPLING CODE	A 00 4	A 00 3	B 01 2	B 00 2	A 00 3	B 00 4

S M O K E

TPM TOT. PARTIC. MATTER	MG/CIG	16.6	8.1	11.1	16.5	11.4	14.6
DPM DRY. PARTIC. MATTER	MG/CIG	14.7	7.2	10.0	14.2	10.1	12.9
TAR (=TPM-SN-H2O)	MG/CIG	13.7	6.7	9.3	13.3	9.4	12.1
SN SMOKE NICOTINE	MG/CIG	1.02	0.52	0.75	0.94	0.74	0.83
RATIO SN/TAR	%	7.4	7.8	8.1	7.1	7.9	6.9
PUFF COUNT	NO./CIG	10.1	7.9	10.4	8.1	9.0	8.0
CO CARBON MONOXIDE	MG/CIG	14.6	8.9	11.0		9.2	13.1
NO NITROGEN MONOXIDE	MG/CIG	0.19	0.15	0.10		0.16	0.13

F I L L E R

ALKALOIDS, TOTAL	%	1.86	1.84	1.60	1.87	1.78	1.65
REDUCING SUGARS	%	6.5	7.9	11.5	9.6	8.4	10.4
NITRATE NITROGEN	%	0.21	0.25	0.13	0.19	0.21	0.17
AMMONIA NITROGEN	%	0.17	0.19	0.09	0.17	0.28	0.11
TOB. WT. AT 12.5 % OV	MG/CIG	899	694	824	748	903	755
DENSITY AT 12.5 % OV	MG/ML	249	241	228	240	249	241
OV AT EQUILIBRIUM	%	13.4	13.9	12.8	13.0	13.6	12.6

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	1165	969	1145	968	1273	960
CIG. LENGTH, TOTAL	MM	100	84	99	84	100	84
CIG. DIAMETER/CIRCUMFER.	MM	7.84/24.6	7.90/24.8	7.87/24.7	7.94/24.9	7.85/24.6	7.96/24.9
CIG. RTD	MM H2O	106	121	120	113	104	100
CIG. VENTILATION	%	22	35	33	14	38	18
FIRMNESS AS IS	MM		2.59		3.02	2.75	3.24
OVEN VOLATILES AS IS	%		12.5		13.2	12.6	13.3
FIRMNESS AT 12.5 % OV	MM		2.61		2.74	2.71	2.92
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE		S	S	D	S	DWR	S
FM FILTER MATERIAL		CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	25	25	25	21	25	21
FILTER-LENGTH PLUG 1	MM			13.0		10.0	
FILTER-LENGTH PLUG 2	MM			12.0		10.0	
FILTER-LENGTH PLUG 3	MM						
FA FIL. ADDITIVE TYPE				AC		AC	
FILTER WEIGHT	MG/FIL	198	211	268	162	298	157
FILTER RTD	MM H2O	74	114	90	71	82	59
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	29	32	29	25	36	25
TIPPING PAPER TYPE	ICD		ICWHDL	WHGRD	IC	WHDL	IC
TIPPING PERFO. TYPE	EPZ		EPZ	MLPS	EPZ	MLPM	EPZ
TIPPING, PERFO. LINES	NO.			4		1	

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+ PME Brand () Converted values = PME specifications * Comments

2500077839

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+PHILIP MORRIS LIGHT BERLIN	+PHILIP MORRIS ULTRA MUNICH	PRINCE OF DENMARK	R 1	R6	WEST
DE-GERM. WEST	PROD. CENTERS OR MANUFACTURER			SKANDIN.T.	REEMTSMA	REEMTSMA	REEMTSMA
	CIGARETTE CODE	PMT02	PMU05	PRDAC	RMEAC	RMRAE	WSTAC
	SIZE/MB PER PACK	KS F/19	KS F/20	KS F/19	KS F/19	KS F/19	KS F/19
	SAMPLING CODE	A 00 4	A 00 4	B 02 2	B 00 3	B 01 2	B 00 4

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	4.3	2.6	17.7	2.8	4.7	15.0
DPM DRY.PARTIC.MATTER	MG/CIG	4.0	2.4	15.0	2.6	4.3	13.2
TAR (=TPM-SN-H2O)	MG/CIG	3.7	2.2	13.9	2.4	4.0	12.4
SN SMOKE NICOTINE	MG/CIG	0.31	0.23	1.08	0.25	0.34	0.86
RATIO SN/TAR	%	8.6	11.0	7.8	10.7	8.6	7.0
PUFF COUNT	NO./CIG	8.2	7.8	8.6	7.5	8.2	8.2
CO CARBON MONOXIDE	MG/CIG	4.4	2.6	13.2	3.9	5.2	13.0
NO NITROGEN MONOXIDE	MG/CIG	0.06	0.04	0.17	0.05	0.07	0.12

F I L L E R

ALKALOIDS, TOTAL	%	2.08	2.75	2.30	2.58	0.84	1.68
REDUCING SUGARS	%	6.9	9.1	6.6	9.8	10.5	9.8
NITRATE NITROGEN	%	0.15	0.14	0.20	0.16	0.18	0.17
AMMONIA NITROGEN	%	0.13	0.14	0.12	0.13	0.13	0.10
TOB. WT. AT 12.5 % OV	MG/CIG	649	618	782	574	679	740
DENSITY AT 12.5 % OV	MG/ML	225	214	245	196	233	238
OV AT EQUILIBRIUM	%	13.3	12.5	13.3	12.9	12.7	12.1

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	921	897	999	850	919	942
CIG. LENGTH, TOTAL	MM	84	84	84	84	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.88/24.7	7.89/24.7	7.96/24.9	7.94/24.9	7.94/24.9	7.93/24.9
CIG. RTD	MM H2O	100	74	102	72	97	101
CIG. VENTILATION	%	60	68	11	61	53	18
FIRMNESS AS IS	MM	2.74	2.65	2.93	3.07	2.94	3.14
OVEN VOLATILES AS IS	%	12.8	11.8	12.1	12.5	12.9	13.2
FIRMNESS AT 12.5 % OV	MM	2.62	2.95	3.09	3.09	2.80	2.88
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE		S	D	S	D	S	S
FM FILTER MATERIAL		CA	CAP	CA	CAP	CA	CA
FILTER LENGTH,TOTAL	MM	25	25	20	25	25	21
FILTER-LENGTH PLUG 1	MM		16.0		13.0		
FILTER-LENGTH PLUG 2	MM		9.0		12.0		
FILTER-LENGTH PLUG 3	MM						
FA FIL.ADDITIVE TYPE							
FILTER WEIGHT	MG/FIL	217	226	162	228	192	158
FILTER RTD	MM H2O	118	108	63	117	100	59
FILTER EFFICIENCY	%						
TIPPING LENGTH ON CIG.	MM	32	32	24	29	29	25
TIPPING PAPER TYPE		ICWHDL	ICWHDL	IC	ICWHDL	ICWHD	IC
TIPPING PERFO. TYPE		MLPS	MLPS	EPZ	MLPS	MLPS	EPZ
TIPPING,PERFO. LINES	NO.	6	5		4	4	

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+ PME Brand () Converted values = PME specifications * Comments

2500077840

CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	WEST LIGHTS	WEST 100
DB GERM. WEST	PROD. CENTERS OR MANUFACTURER	REEMTSMA	REEMTSMA
	CIGARETTE CODE	WSXAC	WSSAC
	SIZE/NB PER PACK	KS F/19	100 F/19
	SAMPLING CODE	B 01 2	B 00 2

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	7.9	16.5
DPM DRY.PARTIC.MATTER	MG/CIG	7.1	14.8
TAR (=TPM-SN-H2O)	MG/CIG	6.6	13.8
SN SMOKE NICOTINE	MG/CIG	0.53	0.98
RATIO SN/TAR	%	8.1	7.1
PUFF COUNT	NO./CIG	7.1	9.9
CO CARBON MONOXIDE	MG/CIG	6.4	16.0
NO NITROGEN MONOXIDE	MG/CIG	0.07	0.13

F I L L E R

ALKALOIDS, TOTAL	%	1.73	1.74
REDUCING SUGARS	%	9.0	10.4
NITRATE NITROGEN	%	0.22	0.16
AMMONIA NITROGEN	%	0.10	0.11
TOB. WT. AT 12.5 % OV	MG/CIG	624	874
DENSITY AT 12.5 % OV	MG/ML	212	234
OV AT EQUILIBRIUM	%	13.2	12.7

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	856	1124
CIG. LENGTH, TOTAL	MM	84	100
CIG. DIAMETER/CIRCUMFER.	MM	7.98/25.0	7.96/24.9
CIG. RTD	MM H2O	75	121
CIG. VENTILATION	%	41	13
FIRMNESS AS IS	MM	3.03	3.09
OVEN VOLATILES AS IS	%	13.1	12.6
FIRMNESS AT 12.5 % OV	MM	2.79	3.05
CIG. PAP. VENTIL. SYST.			

F I L T E R

FILTER TYPE		S	S
FM FILTER MATERIAL		CA	CA
FILTER LENGTH, TOTAL	MM	25	25
FILTER-LENGTH PLUG 1	MM		
FILTER-LENGTH PLUG 2	MM		
FILTER-LENGTH PLUG 3	MM		
FA FIL.ADDITIVE TYPE			
FILTER WEIGHT	MG/FIL	180	191
FILTER RTD	MM H2O	66	74
FILTER EFFICIENCY	%		
TIPPING LENGTH ON CIG.	MM	29	29
TIPPING PAPER TYPE		ICWHL	IC
TIPPING PERFO. TYPE		MLPS	
TIPPING, PERFO. LINES	NO.	4	

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2500077841

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CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+L & M	+MARLBORO KING SIZE	+MARLBORO LIGHTS 100'S	+MARLBORO LIGHTS	+MARLBORO 100'S	+MARLBORO 100'S
GR GREECE	PROD. CENTERS OR MANUFACTURER	MUNICH	PAP PIREUS	MUNICH	PAP PIREUS	MUNICH	PAP PIREUS
	CIGARETTE CODE	LMY01	MLK02	MHX12	MLX06	MHC06	MHC11
	SIZE/NE PER PACK	KS F/25	KS F/20	100 F/20	KS F/20	100 F/20	100 F/20
	SAMPLING CODE	A 00 4	A 00 1	A 00 3	A 00 4	A 00 4	A 00 4

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	17.1	18.0	11.7	9.4	18.3	18.5
DPM DRY.PARTIC.MATTER	MG/CIG	14.7	15.4	10.5	8.5	16.0	16.2
TAR (=TPM-SN-H2O)	MG/CIG	13.7	14.5*	9.8	7.9	15.0	15.1
SN SMOKE NICOTINE	MG/CIG	0.97	0.95	0.75	0.61	1.06	1.08
RATIO SN/TAR	%	7.1	6.5	7.7	7.8	7.1	7.1
PUFF COUNT	NO./CIG	8.3	8.3	10.1	7.3	10.3	9.7
CO CARBON MONOXIDE	MG/CIG	13.8	12.8	11.5	8.2	14.9	13.9
NO NITROGEN MONOXIDE	MG/CIG	0.16	0.17	0.17	0.12	0.21	0.19

F I L L E R

ALKALOIDS, TOTAL	%	1.81	1.77	1.19	1.87	1.81	1.84
REDUCING SUGARS	%	6.5	7.8	5.3	8.1	6.3	7.8
NITRATE NITROGEN	%	0.17	0.20	0.17	0.21	0.23	0.21
AMMONIA NITROGEN	%	0.17	0.24	0.25	0.23	0.26	0.23
TOB. WT. AT 12.5 % OV	MG/CIG	751	759	879	695	886	881
DENSITY AT 12.5 % OV	MG/ML	243	241	250	238	249	244
OV AT EQUILIBRIUM	%	13.5	13.8	13.8	13.2	13.7	13.5

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	970	975	1151	962	1151	1137
CIG. LENGTH, TOTAL	MM	84	84	98	84	99	99
CIG. DIAMETER/CIRCUMFER.	MM	7.90/24.8	7.91/24.8	7.87/24.7	7.94/24.9	7.85/24.6	7.89/24.7
CIG. RTD	MM H2O	102	112	115	114	112	111
CIG. VENTILATION	%	13	14*	35	31	18	20
FIRMNESS AS IS	MM	2.84	2.79	2.84	2.78	2.85	2.63
OVEN VOLATILES AS IS	%	12.6	12.4	12.6	12.5	12.3	12.1
FIRMNESS AT 12.5 % OV	MM	2.81	2.84	2.82	2.80	2.94	2.79
CIG. PAP. VENTIL. SYST.							

F I L T E R

FILTER TYPE	S	S	S	S	S	S
FM FILTER MATERIAL	CA	CA	CA	CA	CA	CA
FILTER LENGTH, TOTAL	MM	21	20	25	25	25
FILTER-LENGTH PLUG 1	MM					
FILTER-LENGTH PLUG 2	MM					
FILTER-LENGTH PLUG 3	MM					
FA FIL.ADDITIVE TYPE						
FILTER WEIGHT	MG/FIL	158	153	199	207	199
FILTER RTD	MM H2O	63	62	97	94	72
FILTER EFFICIENCY	%					
TIPPING LENGTH ON CIG.	MM	25	24	32	32	29
TIPPING PAPER TYPE	IC	IC	IC	ICWHD	ICWHD	ICD
TIPPING PERFO. TYPE	EPZ	EPZ	EPZ	EPZ	EPZ	EPZ
TIPPING, PERFO. LINES	NO.					

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+ PME Brand () Converted values = PME specifications * Comments

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CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+MURATTI	+PHILIP
		AMBASSADOR	MORRIS
GR GREECE	PROD. CENTERS OR MANUFACTURER	IXELLES	SUPER L. BERGEN OZ
	CIGARETTE CODE	MAJ03	PMS06
	SIZE/NB PER PACK	KS F/20	KS F/20
	SAMPLING CODE	A 00 4	A 00 4

S M O K E

TPM TOT. PARTIC. MATTER	MG/CIG	10.4	4.4
DPM DRY. PARTIC. MATTER	MG/CIG	9.5	4.1
TAR (=TPM-SN-H2O)	MG/CIG	8.9	3.8
SN SMOKE NICOTINE	MG/CIG	0.66	0.31
RATIO SN/TAR	%	7.5	8.1
PUFF COUNT	NO./CIG	7.9	7.6
CO CARBON MONOXIDE	MG/CIG	9.6	4.0
NO NITROGEN MONOXIDE	MG/CIG	0.10	0.06

F I L L E R

ALKALOIDS, TOTAL	%	1.65	2.07
REDUCING SUGARS	%	10.9	8.5
NITRATE NITROGEN	%	0.13	0.18
AMMONIA NITROGEN	%	0.08	0.14
TOB. WT. AT 12.5 % OV	MG/CIG	702	656
DENSITY AT 12.5 % OV	MG/ML	228	226
OV AT EQUILIBRIUM	%	12.7	13.9

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	998	930
CIG. LENGTH, TOTAL	MM	84	84
CIG. DIAMETER/CIRCUMFER.	MM	7.89/24.7	7.92/24.8
CIG. RTD	MM H2O	104	101
CIG. VENTILATION	%	36	64
FIRMNESS AS IS	MM	2.28	2.71
OVEN VOLATILES AS IS	%	11.6	12.7
FIRMNESS AT 12.5 % OV	MM	2.64	2.64
CIG. PAP. VENTIL. SYST.			

F I L T E R

FILTER TYPE		D	S
FM FILTER MATERIAL		CA	CA
FILTER LENGTH, TOTAL	MM	21	25
FILTER-LENGTH PLUG 1	MM	8.0	
FILTER-LENGTH PLUG 2	MM	13.0	
FILTER-LENGTH PLUG 3	MM		
FA FIL. ADDITIVE TYPE		AC	
FILTER WEIGHT	MG/FIL	244	212
FILTER RTD	MM H2O	78	118
FILTER EFFICIENCY	%		
TIPPING LENGTH ON CIG.	MM	25	32
TIPPING PAPER TYPE		WHGRD	ICWHDL
TIPPING PERFO. TYPE		MLPS	MLPS
TIPPING, PERFO. LINES	NO.	2	4

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CHARACTERISTICS OF THE BRANDS

COUNTRY OF SALE	BRAND NAME	+CONGRESS	+L & M
GA GUINEA	PROD. CENTERS OR MANUFACTURER	CURITIBA	CURITIBA
	CIGARETTE CODE	COM01	LMN03
	SIZE/NB PER PACK	LS F/20	LS F/20
	SAMPLING CODE	A 00 3	A 00 4

S M O K E

TPM TOT.PARTIC.MATTER	MG/CIG	18.6	18.5
DPM DRY.PARTIC.MATTER	MG/CIG	15.6	15.6
TAR (=TPM-SN-H2O)	MG/CIG	14.7	14.7
SN SMOKE NICOTINE	MG/CIG	0.92	0.95
RATIO SN/TAR	%	6.3	6.5
PUFF COUNT	NO./CIG	7.7	7.6
CO CARBON MONOXIDE	MG/CIG	15.6	15.4
NO NITROGEN MONOXIDE	MG/CIG	0.19	0.20

F I L L E R

ALKALOIDS, TOTAL	%	1.59	1.67
REDUCING SUGARS	%	9.8	9.6
NITRATE NITROGEN	%	0.19	0.20
AMMONIA NITROGEN	%	0.23	0.23
TOB. WT. AT 12.5 % OV	MG/CIG	718	721
DENSITY AT 12.5 % OV	MG/ML	248	251
OV AT EQUILIBRIUM	%	12.8	12.4

C I G A R E T T E

CIG. WEIGHT, TOTAL	MG/CIG	922	924
CIG. LENGTH, TOTAL	MM	80	80
CIG. DIAMETER/CIRCUMFER.	MM	7.82/24.5	7.82/24.5
CIG. RTD	MM H2O	111	111
CIG. VENTILATION	%	9	9
FIRMNESS AS IS	MM	2.75	2.66
OVEN VOLATILES AS IS	%	12.6	12.2
FIRMNESS AT 12.5 % OV	MM	2.73	2.78
CIG. PAP. VENTIL. SYST.			

F I L T E R

FILTER TYPE	S	S
FM FILTER MATERIAL	CA	CA
FILTER LENGTH, TOTAL	MM	20
FILTER-LENGTH PLUG 1	MM	
FILTER-LENGTH PLUG 2	MM	
FILTER-LENGTH PLUG 3	MM	
FA FIL.ADDITIVE TYPE		
FILTER WEIGHT	MG/FIL	152
FILTER RTD	MM H2O	65
FILTER EFFICIENCY	%	
TIPPING LENGTH ON CIG.	MM	24
TIPPING PAPER TYPE	IC	IC
TIPPING PERFO. TYPE	EPZ	EPZ
TIPPING, PERFO. LINES	NO.	

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